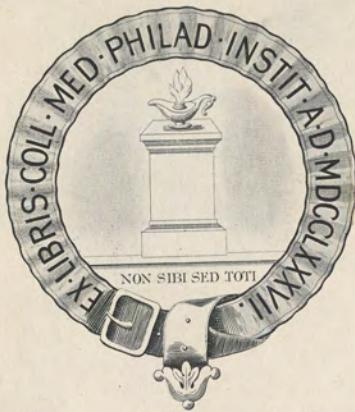


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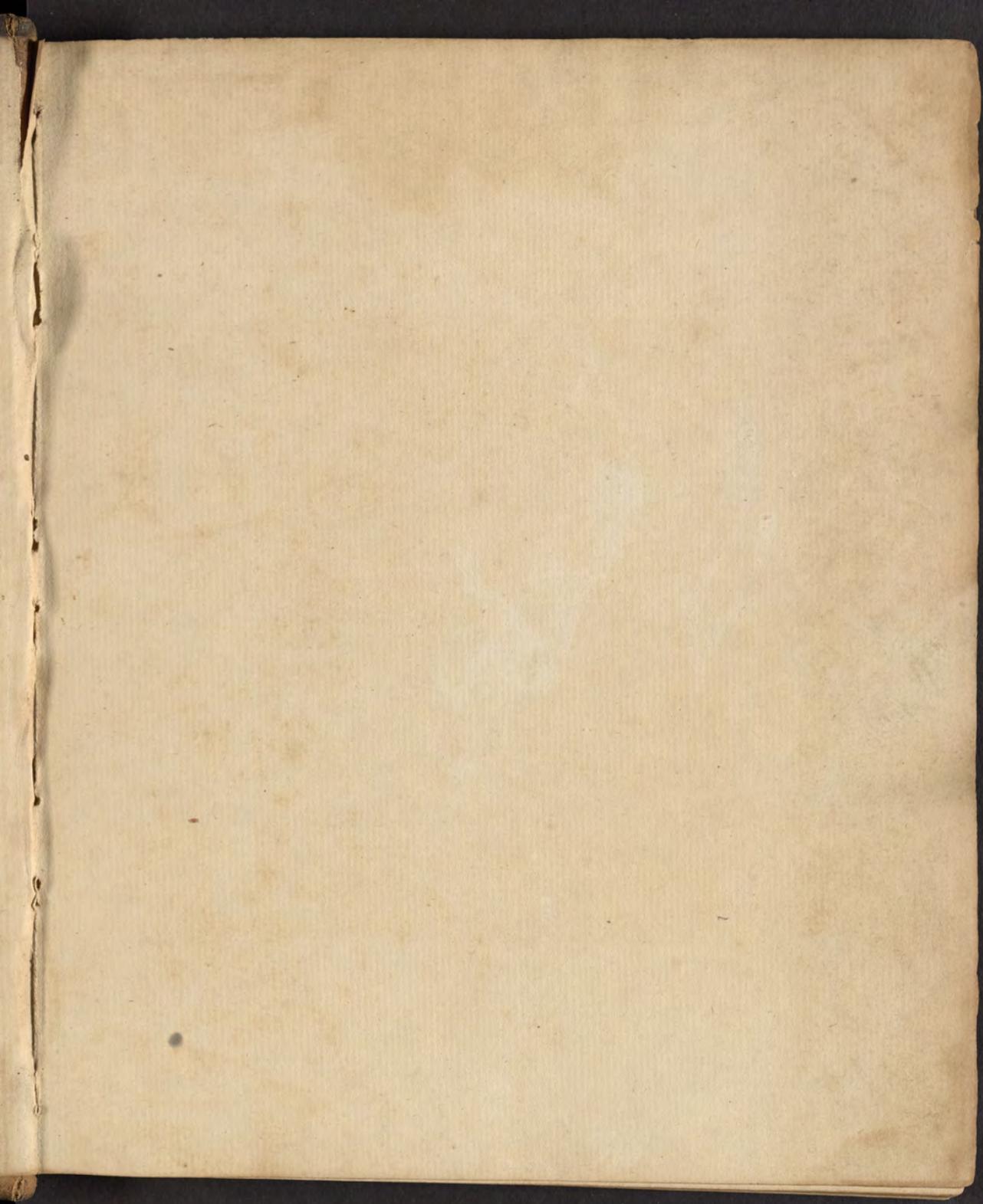
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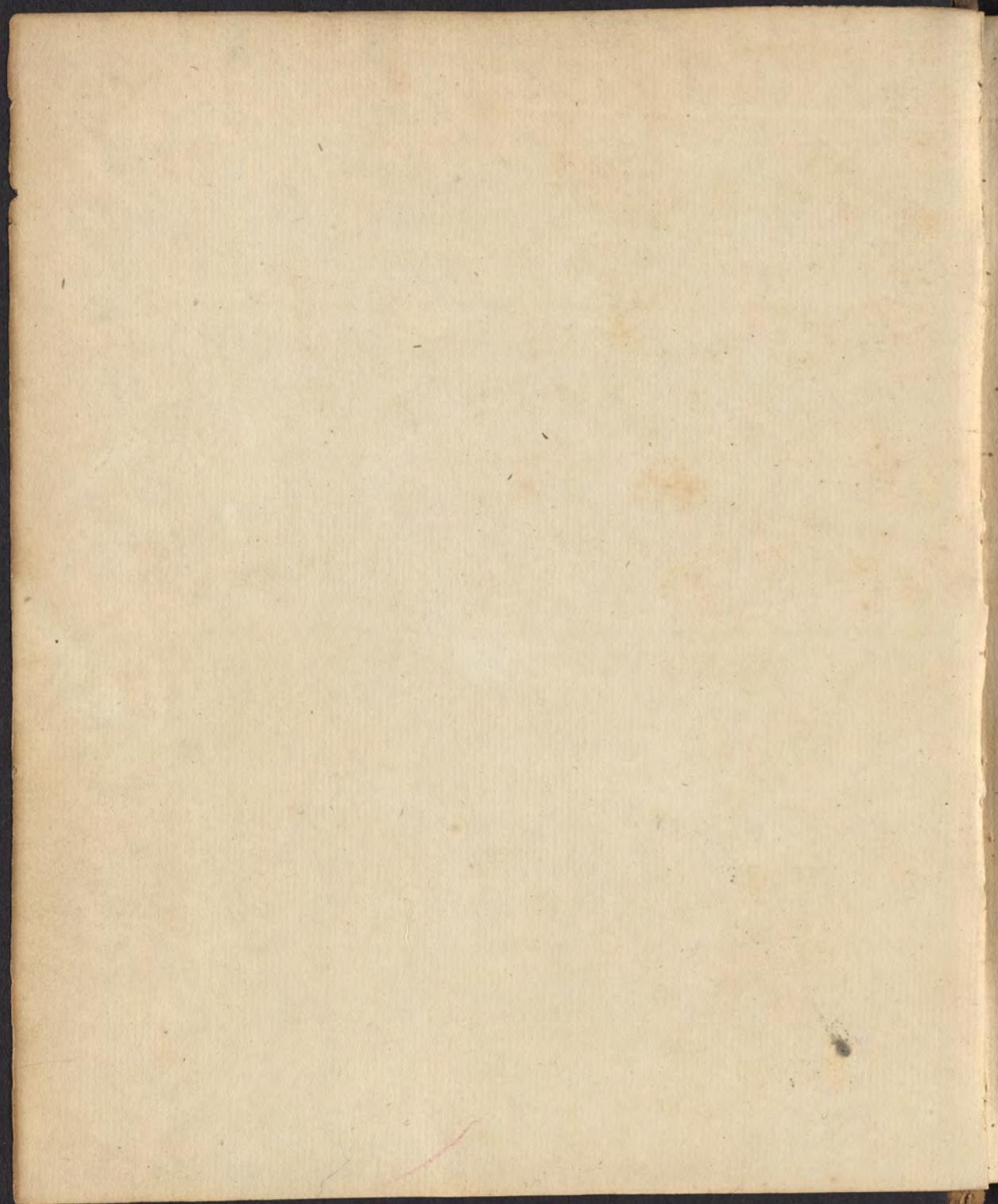


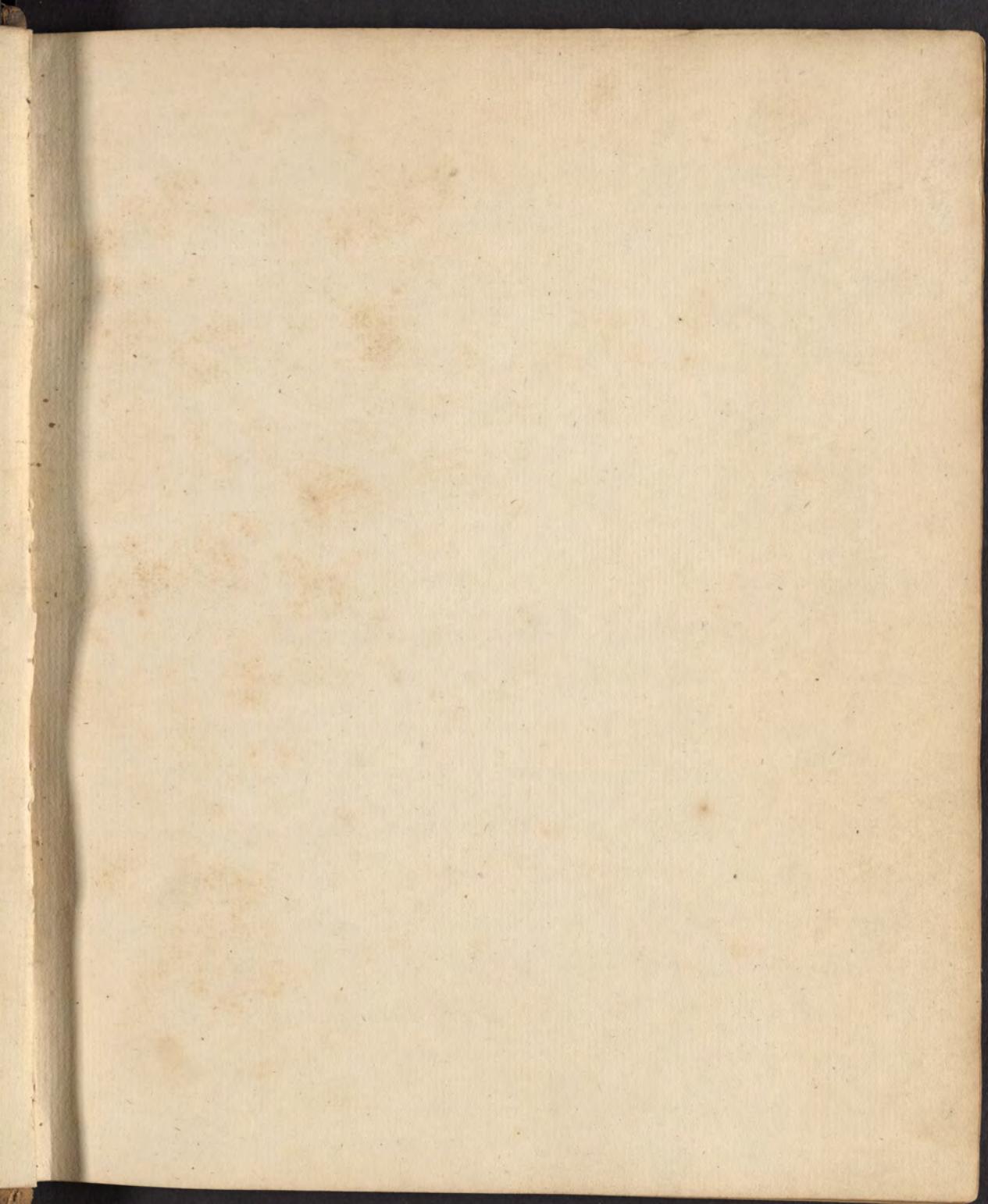
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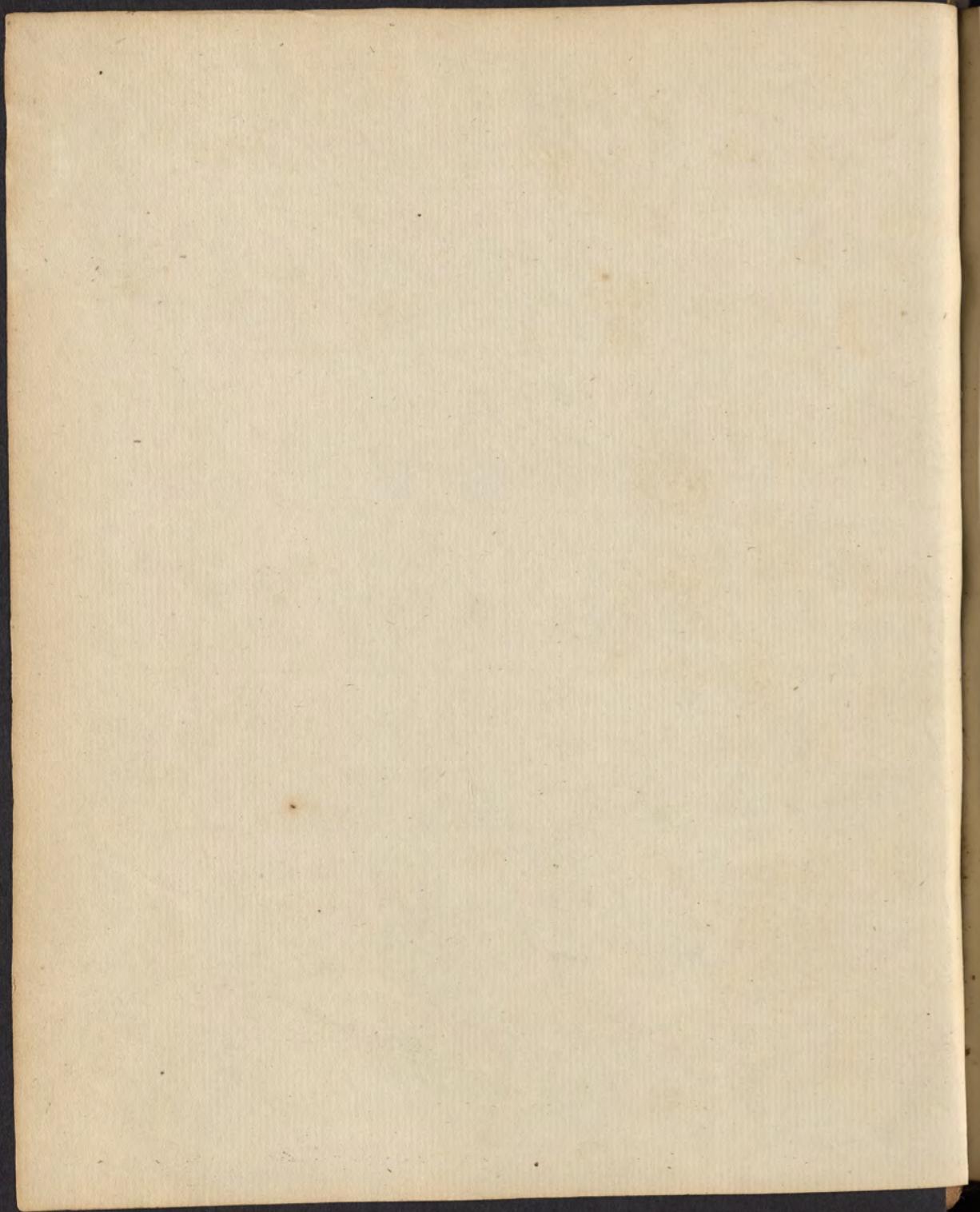
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1 Practice of Physic.

III

[Chapman, Nathaniel]

Robert Allison,

Reporter.

The practice of Physic treats of the causes symptoms and cure of Diseases. — Of the Diagnosis and Prognosis. — My principles under the Diagnosis are of little consequence as they do not consider so much the seat of diseases as the state of the system. — — —

I shall advance a new order. — I reject Cullens and all others I know of. — The following simile will illustrate how far I differ from Cullen. We will suppose the Doct: to have 100 rooms each having a different lock, of course he must have an equal number of different keys to open them — Now I am able to enter every apartm: ent of my house with the assistance of a single key; Besides it cannot be but that some of the Doct: keys from being long out of use must have become rusty. —

The subject next to be explained is what is improperly called FEVER. I say improperly because the word

Fever signifies heat - Now we know there is fever without any heat - You see Gentlemen how we are shut out of truth in Medicine - —

The time I hope will come and is near at hand when the names of diseases will be as little noticed as the names of heathen gods. —

1 Proximate cause. Vide Vol. 4th Eng. Doct. Rush here took this volume as a text book upon which he made a few comments. —

Direct or Indirect Debility are of such similarity as to be known only by their causes. Mr. Hunter calls those Medicines Stimuli which induce healthy action and those Irritants which produce disease. —

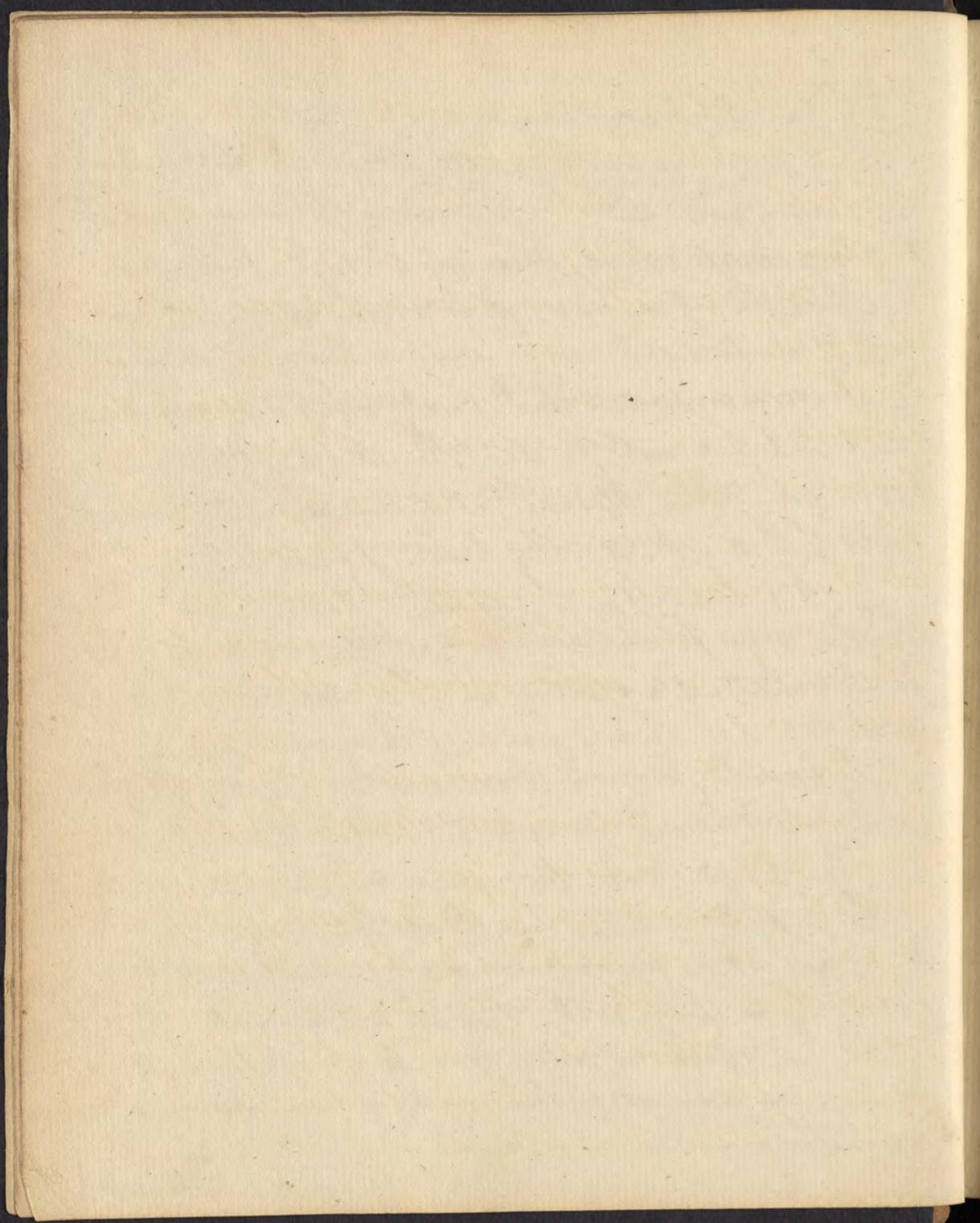
A cold night in the Autumn has brought on fever in some hundreds of persons. This was owing to the miasmata floating in the system being put into action by the cold increasing the excitability by the abstraction of heat. Excitability lessens with age, thus the skin of an old man being pinched up is long in expanding, the contrary in young animals. — This is a good rule to know the age of a horse.

There is no disease which affects the System equally in every part. They are all partial —

Thus in affections of the Bowels the excitement is brought from all the other parts of the System and concentrated there —

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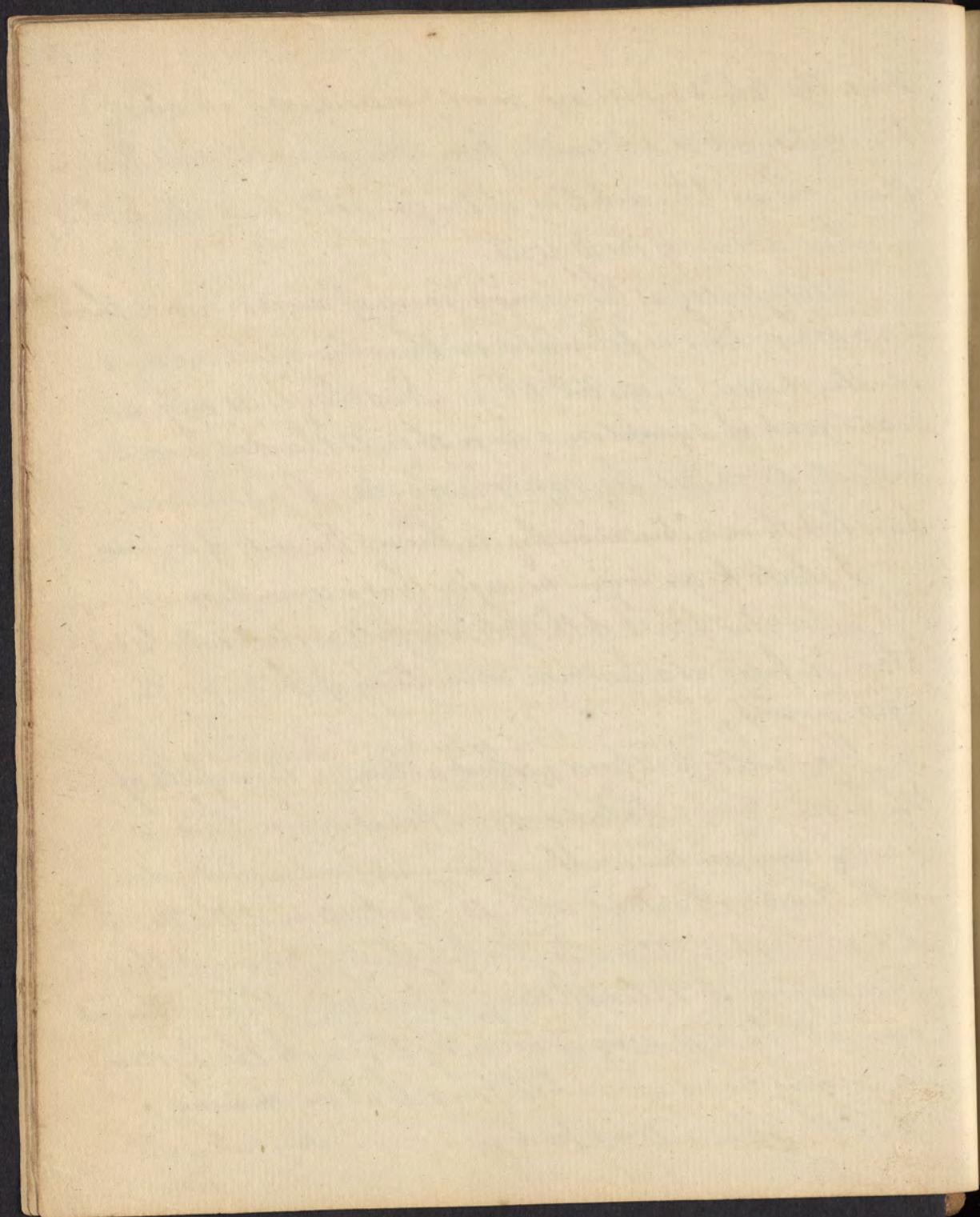


When the Blood vessels are more particularly affected, the excitement is abstracted from the muscles and thrown there; hence the debility of the muscles and the violent morbid action of the vessels

Stimulus is the remote cause of disease and there is no other, this is founded on their being but one proximate cause (vide Vol. 14th) Nosology is only a statement of symptoms and should therefore more properly be called Symptomologia. Physicians have lost their reputation by declaring the unity of disease.

I shall prove to you hereafter that a convolution of the muscular fibres of the Blood vessels as certainly takes place in fever as a common convolution of the muscles and nerves.

You will often find violent action in the vessels of the Head, Neck, Abdomen and Heart when there is scarcely any in the Wrist. You will find violent action in the Temporal artery, when the pulsation of the Heart is very weak. Attend to this Gentlemen, for one of the Indications of Bloodletting is to render the excitement general, by diffusing it equally through the system. In many cases you will find that in opening a vein the blood will at first run very well but will

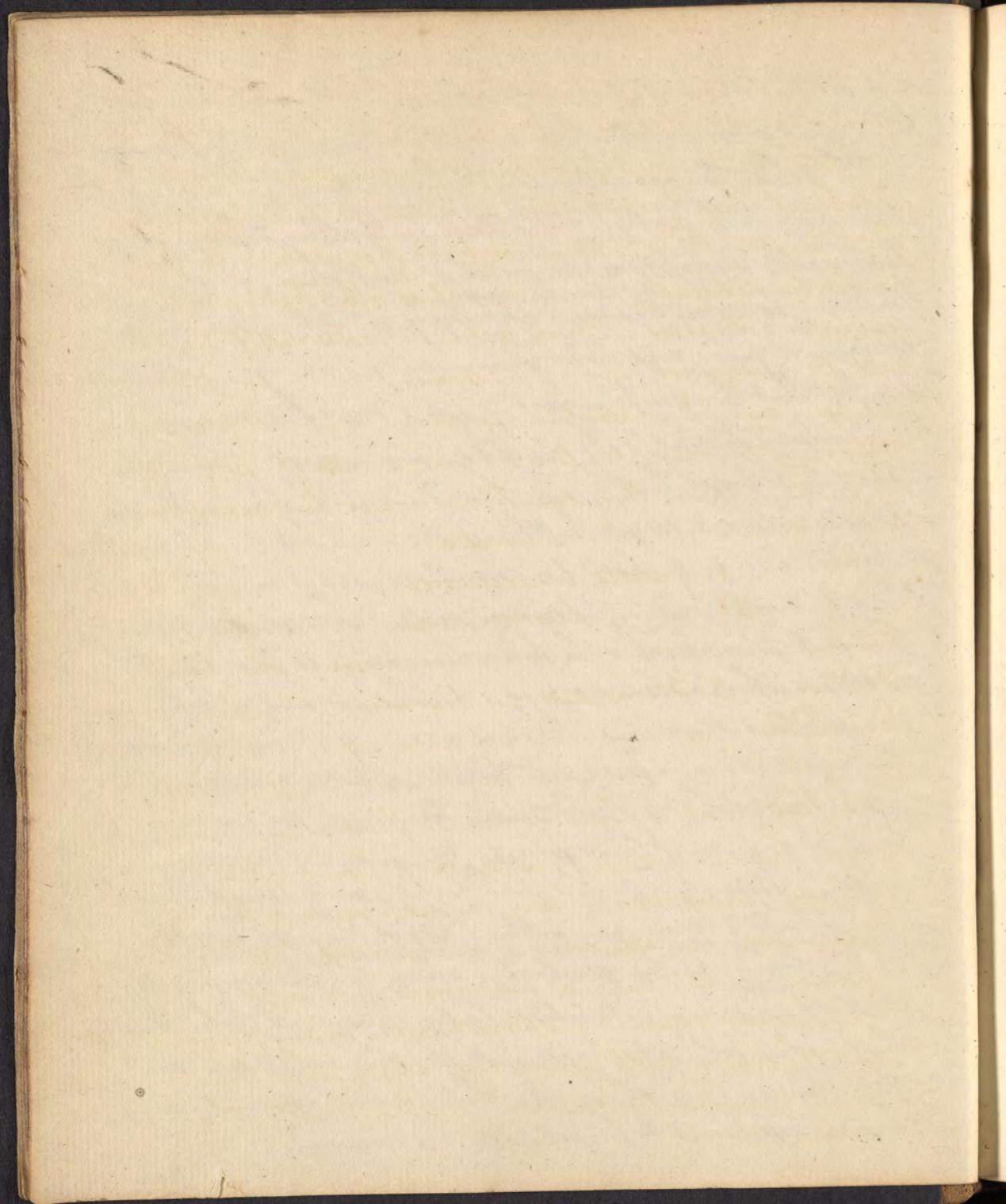


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soon stop - Give a glass of wine and the Blood will flow freely - This makes me suppose the veins take on a kind of Paralysis -

The white Tongue in Yellow fever is a bad sign it shews an obstruction to the passage of the Bile - Yellow Tongue is a favourable symptom in malignant Fever, it shews a tendency to mortification. I believe mortification in a certain degree does take place on the Tongue - for when the patient begins to recover large sloughs come away -

There can be morbid action without inflammation - There are dissections to prove that persons have died of the Cholic, Hydrocephalus internus, Hydrocephalia &c. with all the phenomena of Morbid action without the smallest mark of inflammation. Forget it not Gent. it is morbid action constitutes disease. It is not necessary that inflammation should be present. For instance when a patient dies suddenly from the impulsion of a violent stimulus - there is disease but no inflammation. Impulsion in one part will produce sensation in another part, that is the part debilitated previously, of course we have many misplaced fevers. The Brain for instance will be strongly affected with fever; and symptoms of fever will appear in no other part of the system, the whole being as it were locked up in the Brain. - The Pulse here scarce ever tells us any thing, Mr. John Hunter has accurately taken notice of this circumstance and if he had left nothing else behind him it would have been sufficient to perpetuate his name.



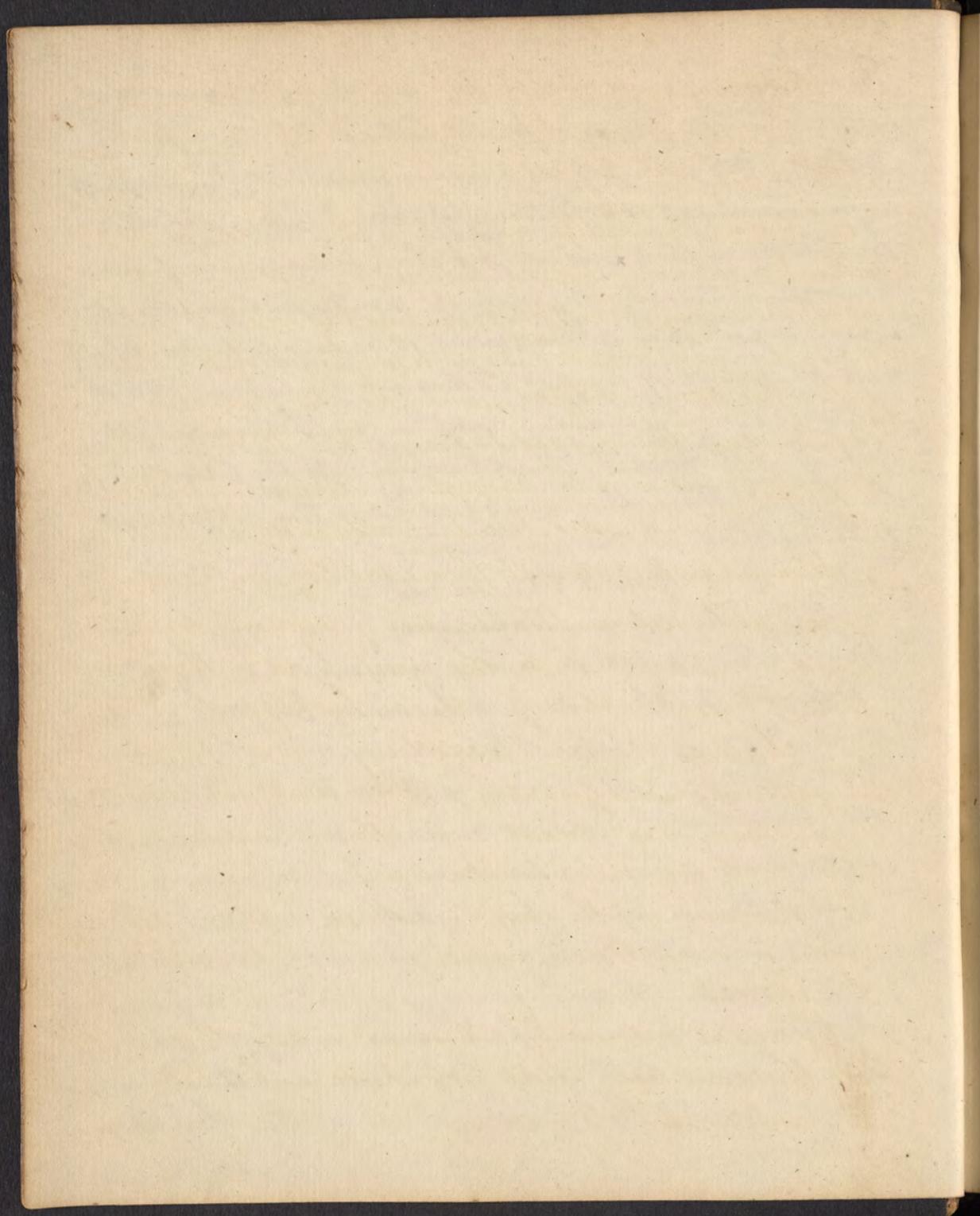
We will now say a few words on the removal of the precursors or foreshadowing symptoms of fever, which are 1 Costiveness, 2 Debility, 3 Dullness of intellect or unusual sleepiness 4. Intemperate or defective appetite 5 loss of appetite for Tobacco in those who use it 6 excess or deficiency of urine 7 a naturally dry or moist skin, 8 a naturally warm or cold skin 9 Head ache 10 Giddiness 11 Watchfulness 12 distressing dreams 13 Weariness or a disposition to rest 14 Watery eye. Foreshadowing symptoms in Children are also crispness of the hair, the thumb turned into the palm of the hand. When these symptoms occur they ought never to be neglected. — The remedies are

I Gentle evacuants

II — Stimulants

Those falling under the head of evacuants are, 1 a Purge 2 a Vomit 3 Bloodletting. 4 Sweating 5 Fasting 3 or 4 days. These remedies should be administered in small quantities. Those which come under the head of Stimulants are 1 Gentle heat 2. Pediuvium 3. General and moderately warm bath 4 Wine 5 a few drops of Laud. Liquid. 6 a pint of sage tea or warm whisky, which serve either by distension or producing a diaphoresis, Moderate study, Conversation. Fatigue from any cause may be prevented by the above remedies. I have known many Gentlemen use the warm bath after a long chase and thereby effectually prevent the fatigue which would otherwise follow. —

The Noblmen

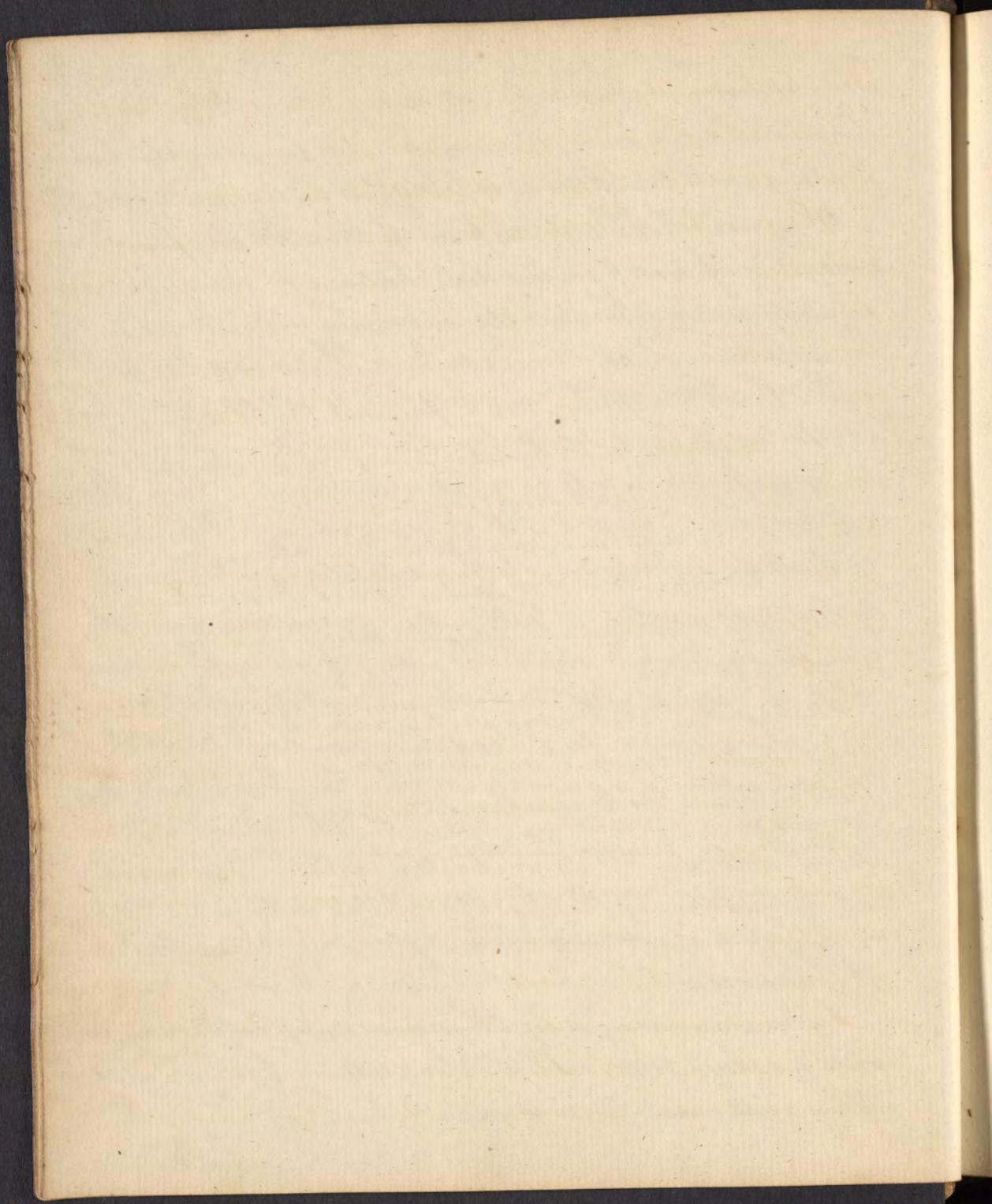


The Noblemen of England will ride 60, 70 or 80 miles a day to reach London in the evening, where by using the warm Bath or some other of the above remedies are rendered perfectly able to visit the Theatre, and set up the chief of the night without experiencing the least fatigue. — As many of you Gentlemen may be exposed to fatigue frequently during your lives, Let me recommend to you to use Pedicularium or some of the other remedies before mentioned after fatigue. — By the use of these means I have not only strangled a fever in myself but in a thousand other instances. — These Stimuli will act in a ratio with the excitability. A portion of Stimulus disproportioned to the excitability would induce violent morbid action. — Take notice you are only to use the remedies mentioned under the second head in the forming State of Disease after which they are highly improper. —

Indication for Bloodletting in fevers (vide Vol. 4th) — The abstraction of a quantity of Blood is not in a ratio to the reduction of excitement, because the abstraction of some Blood will open the emunctaries and produce an additional evacuation by the skin &c. — Many instances of long-continued fevers or putrid fevers are brought on by the neglect of the Lancet.

Fever are not cured by Physicians unless called early, for after a certain time unless Bloodletting has been used they will run their course. —

There is



There is frequently a vomiting attending bilious Fevers, Antiemetics without number have been used, but there is no antiemetic here so good as the Lancet, a purge, or an Enema (Vid. Vol. 15th.)

We have fewer Dropsses, fewer Consumptions, fewer Jaundices, fewer Hydrocephali Interni &c at present than formerly owing to the Lancet being more generally used in the Diseases which produced them. I have been led to believe that Bloodletting would prevent the Stone.

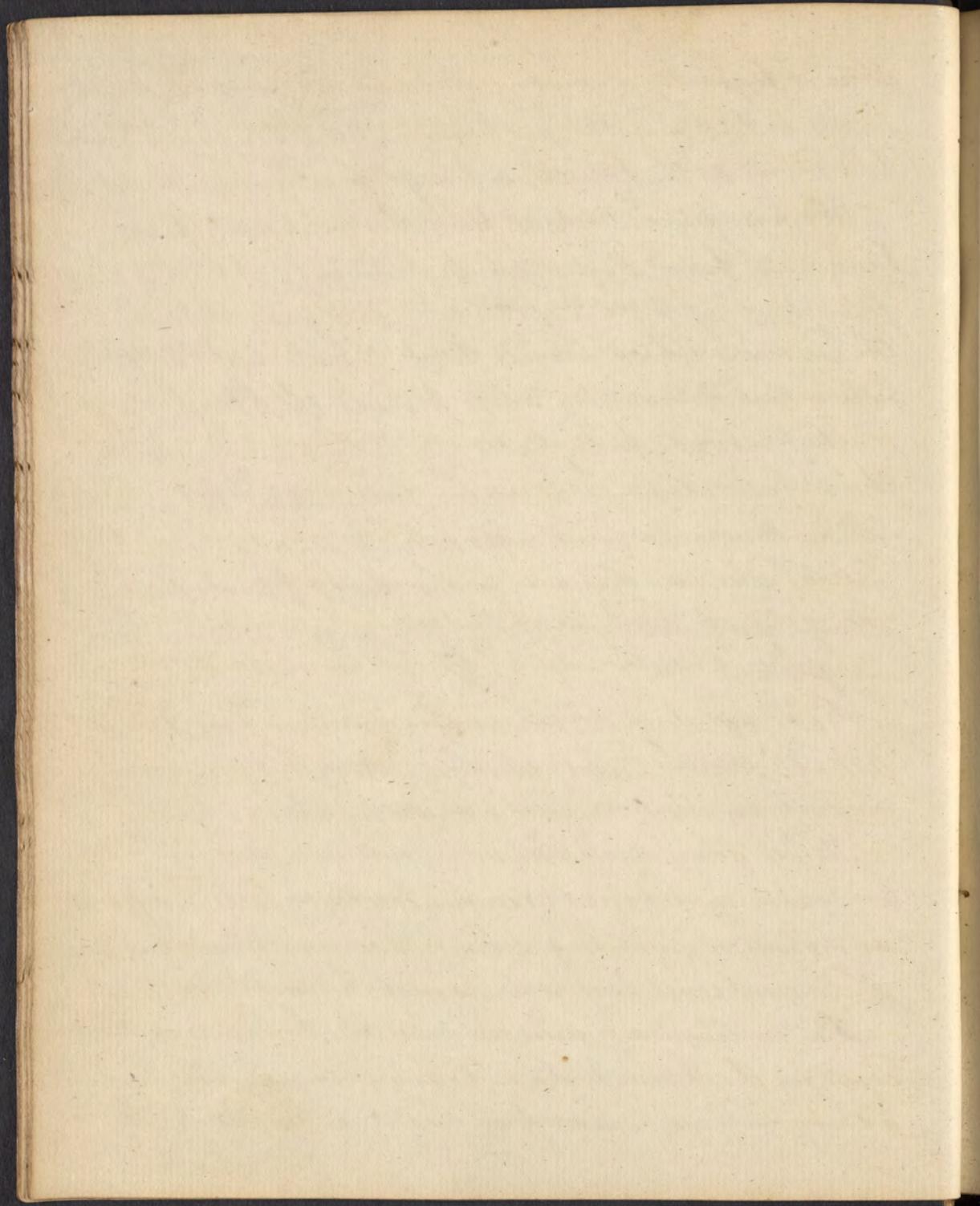
To prescribe for the habit of a patient is to prescribe for his constitution. It is not the constitution but the morbid action that must be attended to in Disease -

All children that die in the course of two or three days illness die of inaccessibility, and might be saved by Depletion. -

In old age Dr. Chyne used to observe and very properly, that Bloodletting, would render a mans passage down the hill much more quiet and easy, safe.

While your female Patients, Gentlemen, during Pregnancy, are labouring under inflammatory Fever you will never have an Abortion if you remember to bleed more liberally than if they were not pregnant. so also in small Pox &c -

In inflammatory diseases, provided the Pulse continued to call for the Lancet, I would go on bleeding till I got nothing but pure water from the veins. You have no



Alternative, Gentlemen Your Patients will die without it and you should at least give them a chance, a doubtfull remedy better than none." Celsus.

To be limited in the use of the Sancet in one fever and not in another is to prescribe for the name of a disease. — Bleeding will produce pain, Convulsions &c. by removing an oppressed State of the System Vid. Vol. IIth. In short Bleeding but once or twice in a depressed State of the System is like untying a Tyger and not destroying him afterward. In depressed pulse, examine the carotid and Temporal arteries. The Heart and Abdomen and you will frequently find them beating forcibly. Bleed and you will equalize the System; Impress your mind strongly (Gent.) with the idea that your patients may may be apparently worse, though they are in reality better.

Bloodletting has been accused of bringing on the Chronic state of Fever, 'tis impossible, for if you bleed in proportion to the excitement you will never have a chronic Fever. Vide Vol. 4th.

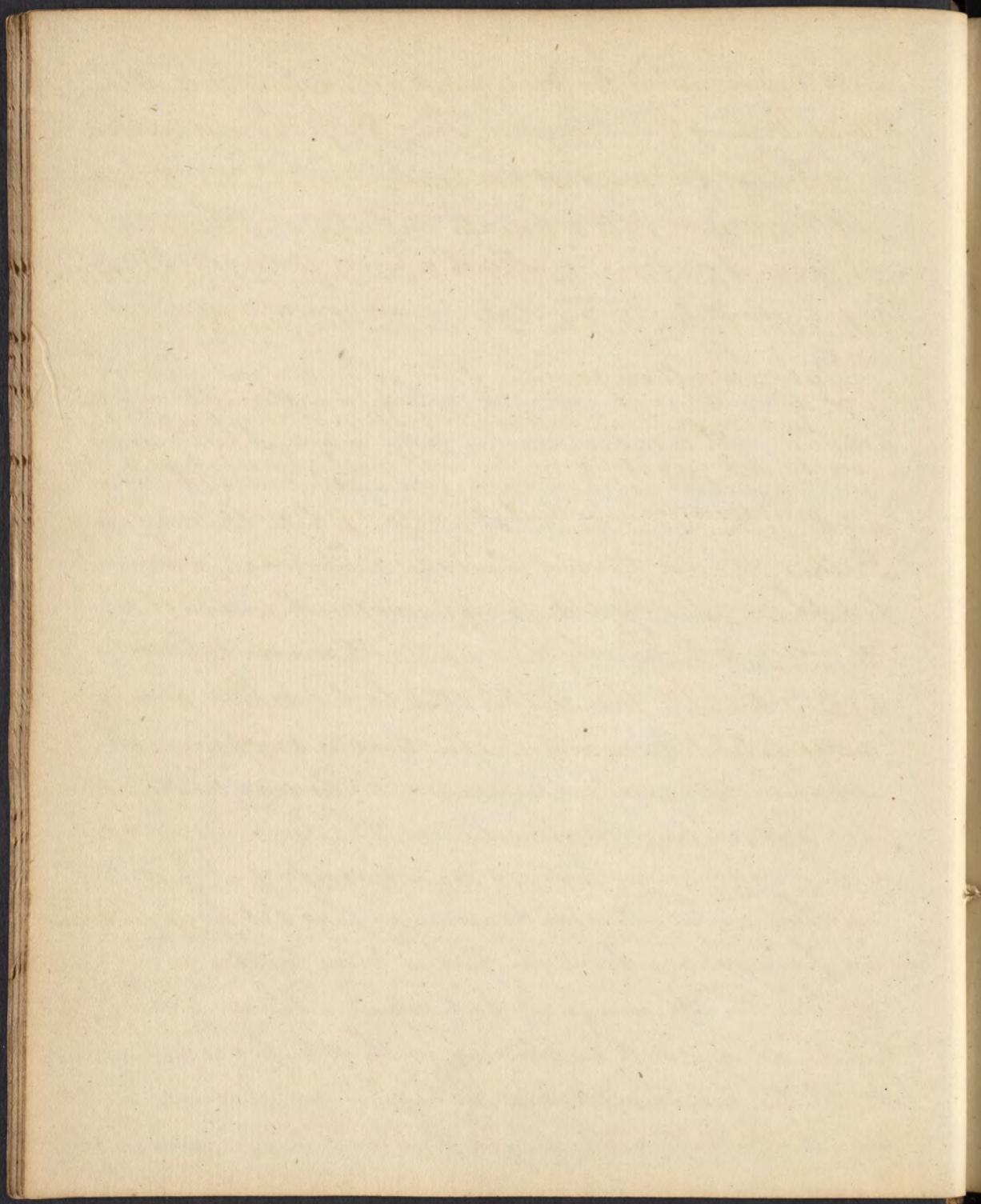
I wish the term Nervous could be banished from our books of Medicines. The more I see and consider it, the more I consider it as useless in the history of diseases. Doct: Cullen considered them as the Monarchs of the System. I conceive them as acting a much more humble part. They are only doorkupers or messengers of the Bloodvessels.

Blood vessels; While the Blood vessels are the Centinels of the Body, the fountain of disease. They possess this distinction by birth, for they are the first parts of the human body. -

If bleeding be proper in one fever it is so in all, you must never leave a fragment of a Fever behind, for like the Polypes though minutely divided still requires repeated strokes to destroy it. -

I always avoid giving emetics in inflammatory fevers attended with a determination to the head. I have seen death produced by them in several such cases. I should not be astonished to see death appear while bleeding my Patient. I have however never seen such instances occur, but I have seen them drop off under the operation of a Vomit and Purge &c. 'Tis a very hard matter to bleed a patient to death provided the blood be not drawn from a vital part. Have any of you (Gent^m) ever heard of a person dying in consequence of a bleeding at the nose, or hemorrhage from the Uterus, &c. Doct. Young of Edinburgh in his lectures on Midwifery, used to tell us that in his extensive practice in that art he never knew an hemorrhage from the Uterus prove fatal.

For the Phenomena which requires bleeding (See 4th Vol.) You are always safe in bleeding in the depraved intermitting &c Pulse, which occurs in the beginning of disease - You are also safe in bleeding in those complaints attended with



with paroxysms. — For the different appearances of the Blood
Vide Tom. 4th. —

I have in my last publication inculcated the use
of bloodletting to render death more easy. This single
sentence I am certain has not cost me less than £1000.
It is the business of the Physician to lessen human
misery in all its forms. Other Physicians give Land.
Dr. to answer this purpose, but I would advise you to bleed
in small quantities & you will thereby lessen effectually
in most cases the dreadful pangs of distipation more than
by the use of Opium or any other Medicines.

I have thought the five appearances of the Blood laid
down in my 4th. Vol. as being the attendants of morbid
action and that the sicc^y blood marked inflammatory
action strictly so called. There is more danger in cases
of morbid than inflammatory action, the absence therefore of
the inflammatory crust instead of making you lay aside
your Lancet is a voluminous call for persisting in the use
of it, until you observe sicc^y blood. This blood I have
always looked upon as safe soundings after a long and
dangerous voyage. By it you may (gent^l) consider
yourselves as having got into a safe harbour. —

Fever^s of the most violent ^{kind} are said by Doctor
Fabre

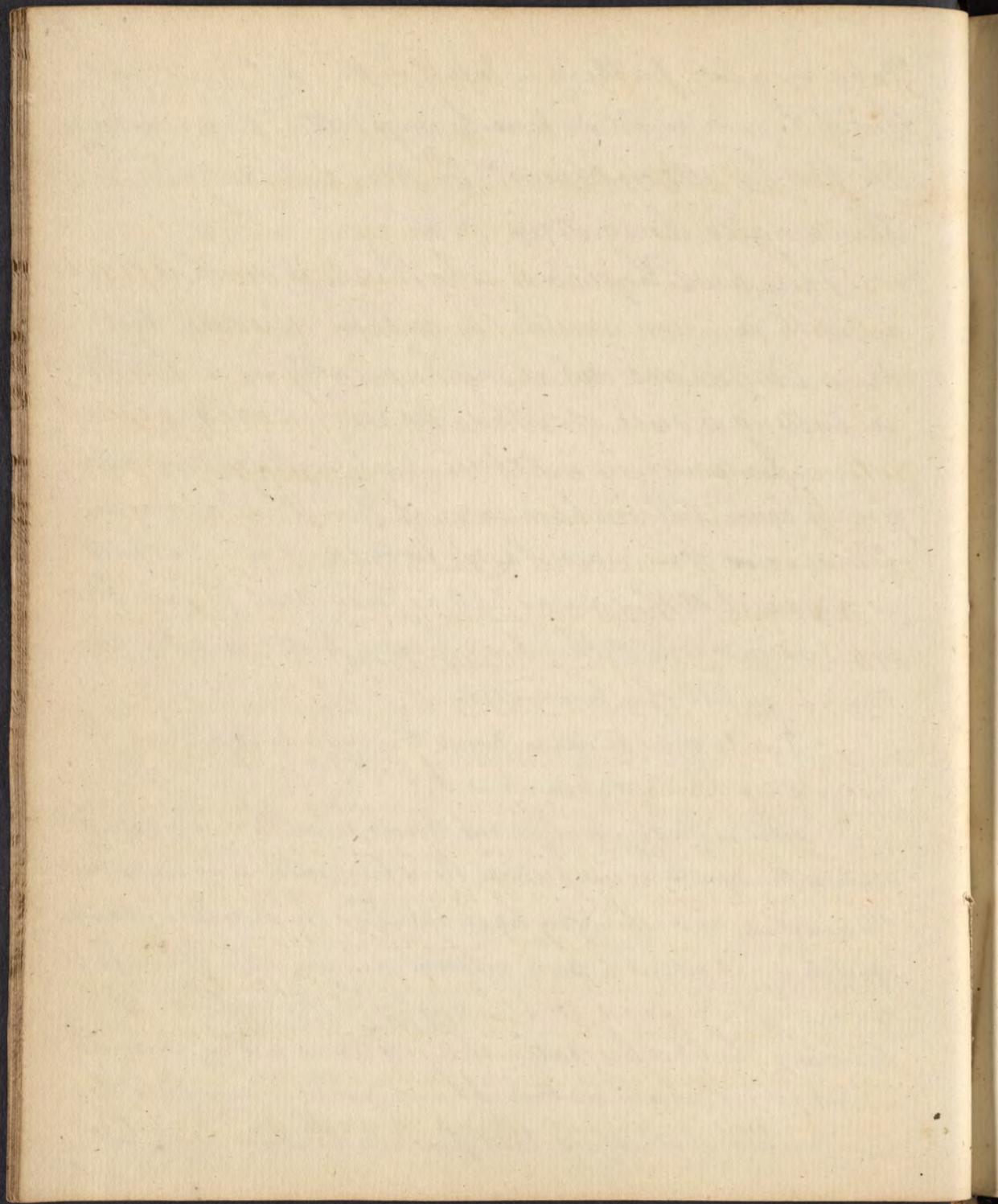
Fabre in a late publication to fall on the vital parts, while those of the more moderate kind he says fall on the emunctories. The first he calls centripetal, the other centrifugal - These are good observations.

There are Physicians who think it death to bleed more than a set number in certain diseases, but these Physicians act as mechanically as a Taylor in cutting a suit of clothes, 'tis unscientifically absurd.

Your patients you will find (Gent.) will seldom recover from a fever till you have taken off their florid appearance. Physicians have ridiculed me for bleeding my patients as they say till they are as pale as Jersey veal. I have bled my patients until they have become pale, and I will bleed them till they become pale.

I would sooner die with my honest than give it up while I had breath to maintain it or a hand to use it.

In violently malignant fevers when there is a depraved state of the system or congestion bleed frequently and in small Quantities, and when you have removed the depraved state and brought about a pure arterial disease take your usual quantity. Riverius was the author of this method of bleeding, he bled his patients 4. or 5 times a day, in malignant fevers. I am certain I have saved many lives by this method of bleeding, that I would otherwise have lost; tis imp.

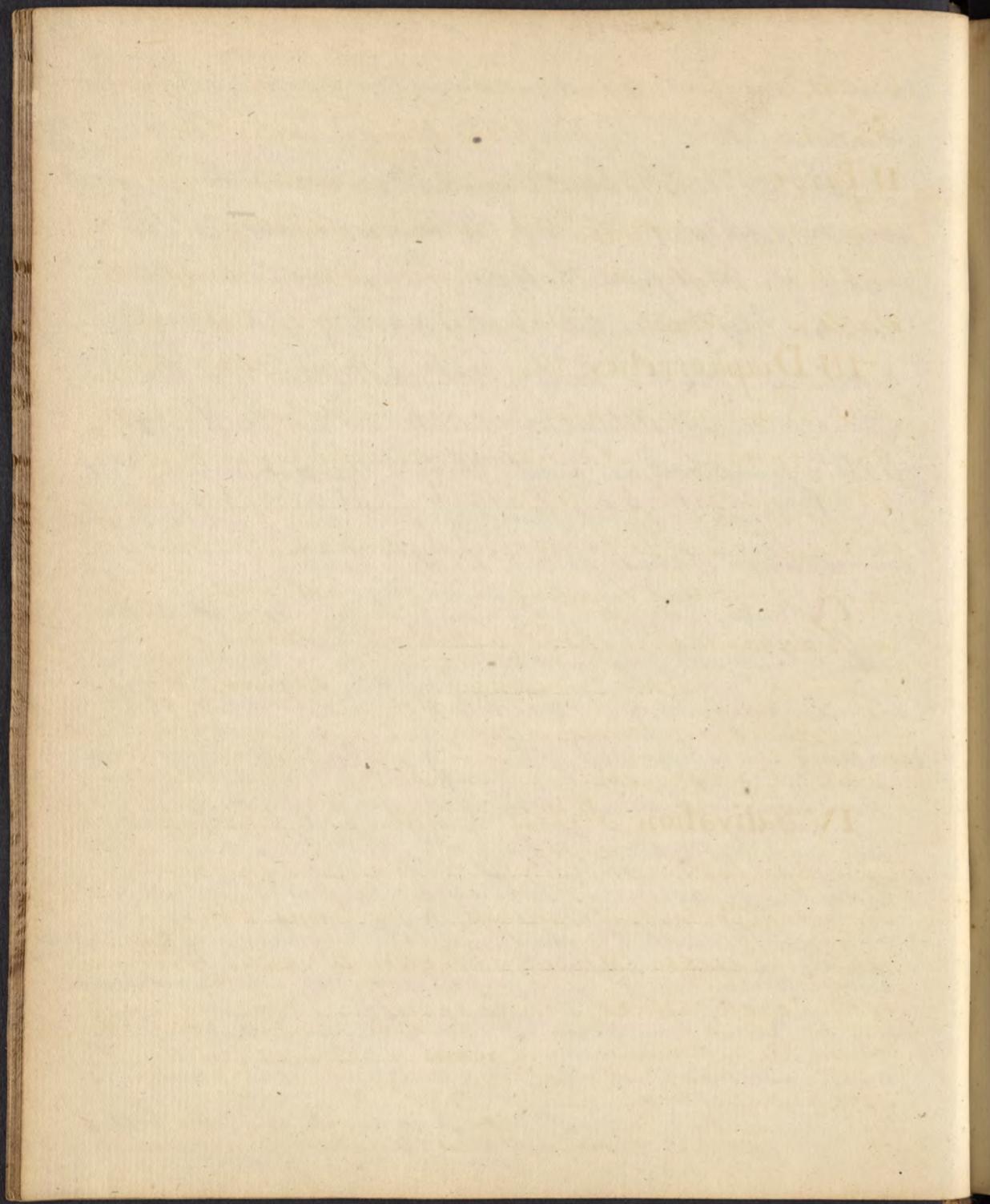


Tis importans (gent.) I don't know any thing more worthy your attention.

In all fevers Bloodletting should be certainly used after the fifth day - because the congestion absorbs the most of the blood from the body. Therefore but little is left to act upon the Blood vessels, and by extracting that little you precipitate death. - Hence in drunkards and aged persons attend to circumstances and cautiously use the Lanceo - as their symptoms are easily thrown into an oppressed state.

So much for Bloodletting we will now proceed to the consideration of evacuants of another kind.

I Vomits, They are usefull on fevers of moderate action as the bilious and anginose states, they act by removing the redundancies of vitiated bile from the Stomach and by raising the excitement of this Organ by abstracting convulsion from the arterial system by removing indirect debility, and prostration of strength, which the Stimulus of Bile has occasioned. - To be effectual two or three should be given through the day. Doct. Cobham of N. Carolina I am informed cured malignant fevers by constant vomiting for three or four days. The Cholera Morbus is cured by nature exciting Vomiting and purging. Tart. Emetic. is best. The less your patients drink to work it off the better



Emetics, I suspect are proper only in the easy stage of fever. When congestion has taken place they are improper. —

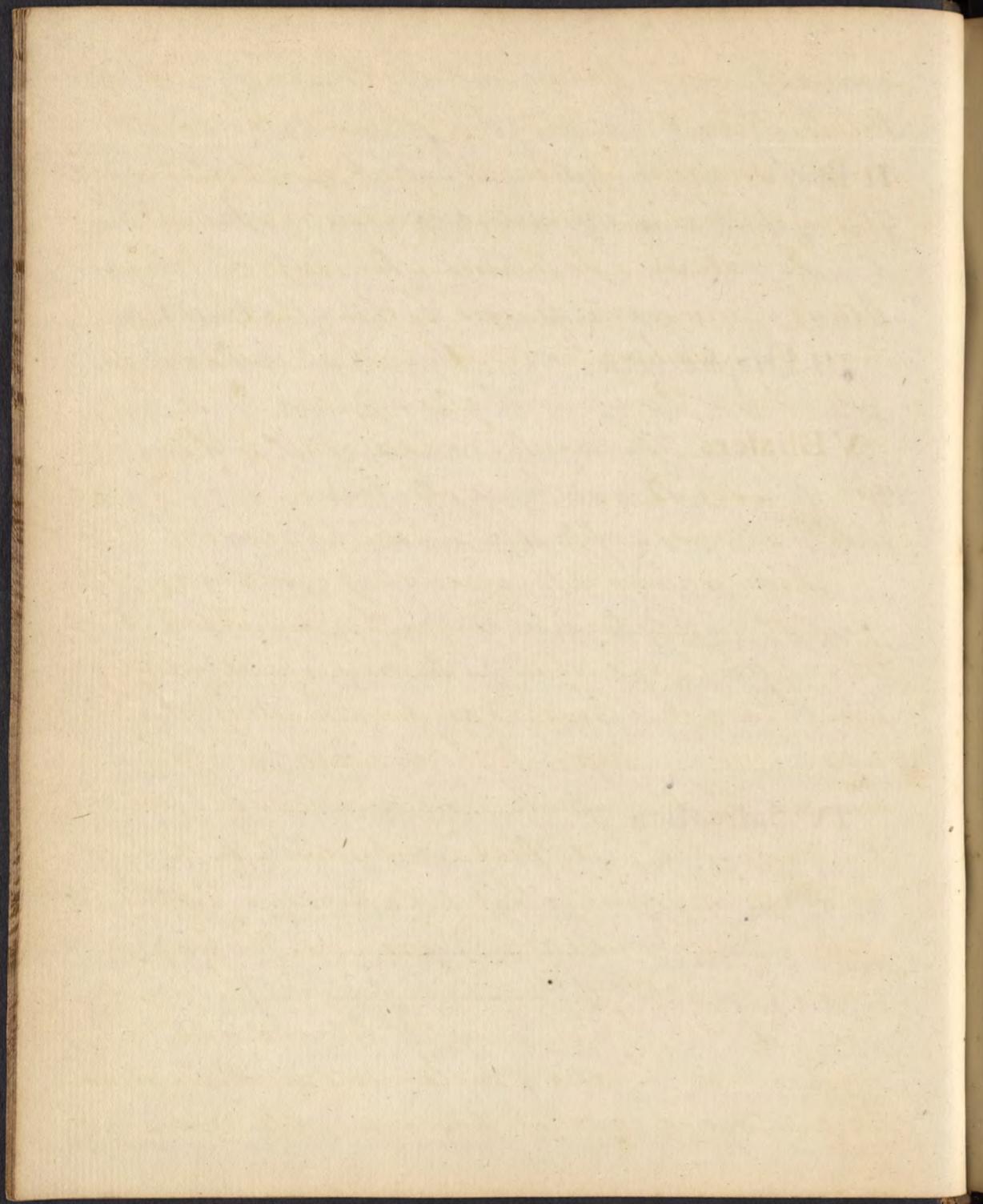
II Purges. They are more usefull than vomits, they not only deplete powerfully, but create a new action in the Intestines, as purges, Calomel with Jalap, Rhubarb or Salts is preferable. Gamboge is a very good Cathartie. —

III Diaphorretics. They are first stimulating medicines. 2° diluent drinks, they act by destroying or diluting acrimony, 3° Nauseating doses of Emetic Tartar.

4° Warm Bath. 5° Cold Bath. 6° Great weight of bed clothes, This was the practice of Sydenham. 'tis the best mode of exciting sweating in malignant fevers. To be used with advantage it should be kept up 24 hours, it should be general and the Linens should be frequently changed. Sudorifics, are seldom necessary; they are uncertain the Sancet is more effectual and I never will use them. —

IV Salivation. It should be excited by 1° Giving mercury, every two, three, or four hours, 2° Friction with mercurial Ointment. 3° Rubbing mercury, on the Gums. 4° Wearing mercurial sacks. When a salivation is wanted to be quickly excited each method should be used. — Bleeding will render the action of mercury ~~much~~ much more certain, speedy, safe and effectual. —

In exciting a Salivation vomits are sometimes service.



serviceable, as also Opium - Cola Bath. small doses of Salap. Nitre &c Doct. Chisholm, says that moist weather is of service in assisting the quick operation of mercury. - Glycerins of Mercurial Ointment have excited a Salivation -

To restrain a Salivation when excessive, Blood-letting is serviceable, purges, bathing the throat with Sweet Oil, washing the mouth with an infusion of Green Tea - Opium will also suspend it -

V Blisters. These are the weakest of all depleting remedies. They should never be resorted to when high arterial action attends, unless there be topical affection. -

From a review of the evacuating remedies (Genl.) you will readily perceive how far they are inferior to Blood-letting, and when one Person is injured or destroyed from the use of it a thousand die from the use of other evacuants - We now pass on to the consideration of the other remedies which diminish morbid action by abstracting the Stimulus of heat. Heat acts positively on the System. Cold acts negatively. That is is a negative property is proven by Chymists and Philosophers. The body is comfortable at 62° of Fahrenheit. In fever the heat of the Body is 120° The difference is 24° below 96° or 38° raising or lowering in the ratio of Inflammatory action. To obtain its debilitating effects the Temperature of the room should

be below. It is a debilitating remedy and causes excitement. No general rule can be established as to its application. much harm has been done by fixing a standard. The cool regimen in Small Pox has been attended with fatal consequences, from the extremes to which it has been carried and not by attending to the above regulations. It must not be used indiscriminately. When the Lungs are much affected as in Pneumonia, Measles, &c by a diminished action, The inflammatory action consist in the arterial system cold is improper. If there be too little action ~~sun~~ but not cold air is ~~improper~~. Its effects are most certain when continued with exercise as in setting up \mathcal{P} as this takes down the excitement & dissipates the excitability of the system. \mathcal{P}^{nd} cold water. It acts like cold air in destroying heat it is applied two ways 1st by ablution. 2^d by dashing over the body. In the former way it acts as a sedative, in the latter as a stimulant. The former of these two ways is only proper in inflammatory fevers, this not necessary to use it generally; for all the purposes are answered by applying it to the different parts as to the head, feet &c. and injected into the Bowels, the second mode acts as a stimulus. I know one case of instant death by this means during the Fever of 1793. Chilblains sometimes attends inflammatory Fevers in which both methods are improper. The cold bath is used with advantage at Breastcares. It should be applied for a length of time to obtain sedative effects from it. The Indians and Africans diminish excessive

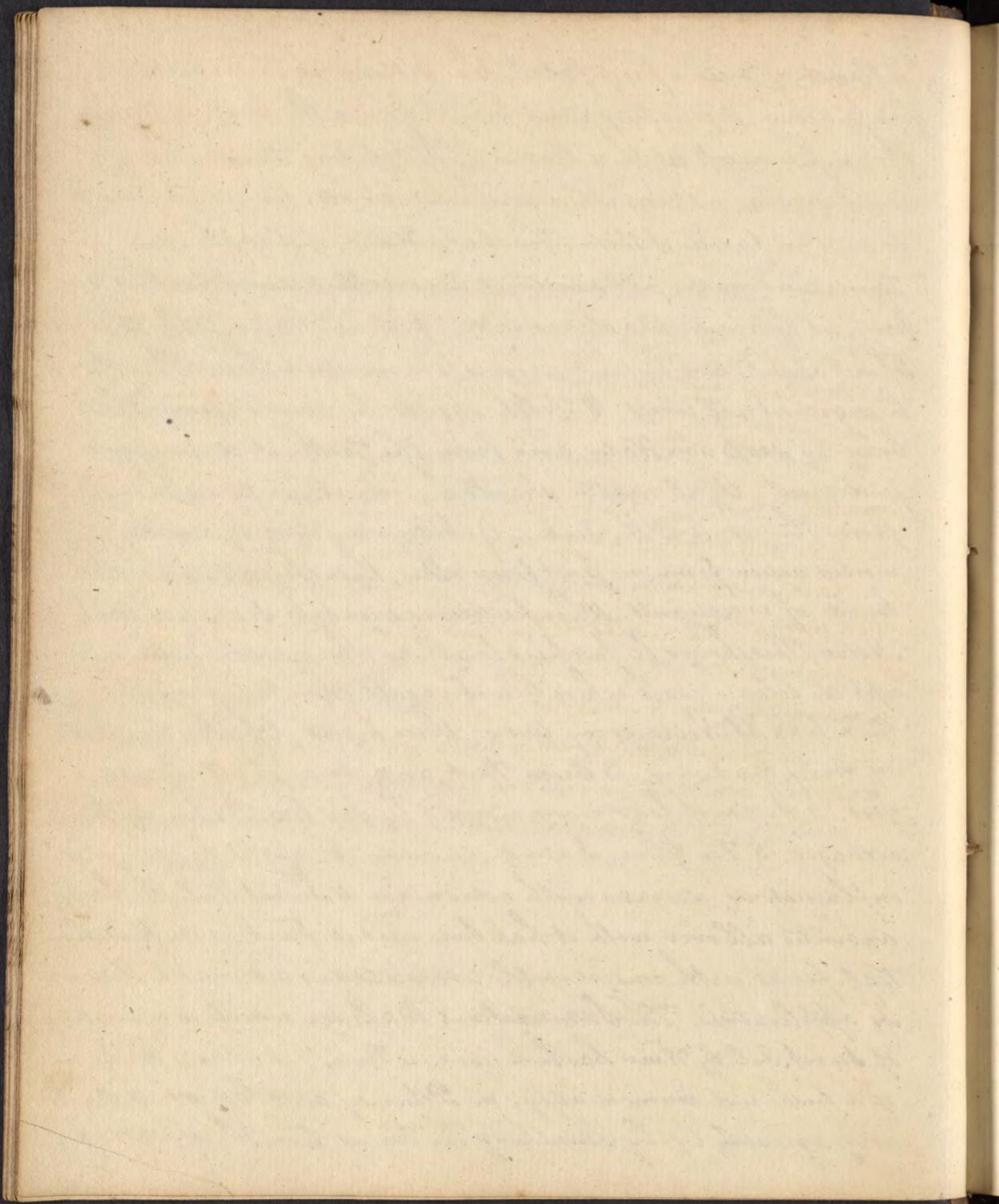
excessive action in the Small Pox by plunging into cold water. And Mr. Bruce mentions that at Messina they used it to cure bilious Fevers by deterring the Patient both inside and outside. During the Plague at London a Patient was cured of it by swimming across the river Thames in a delirium - hence the morbid excitement was taken down and with it the excitability. The fact immersed into cold water will reduce the Pulse 20 strokes in a minute. Pounded Ice inclosed in a bladder acts as an excellent Sæcative. - They all act by 1st abstracting the heat from the Body, 2^d. Mechanically by contracting the muscular fibres of the Blood-vessels.

Physicians have objected to cold water as being prejudicial to patients under the use of mercury. They are wrong. - For what do we direct our Patients to avoid cold water while they are under the use of Mercury. Is it to prevent the mouth from swelling and becoming sore? If so, should we not rather advise the use of cold in its various forms in inflammatory fever. It brings about the wished for effect much more quickly. - 2^d. Abstemious diet, as food is a stimulus, it should be abstracted in disease. Toast and Water, Beer &c. will be sufficient. 3^{Light} It should be abstracted in a quart aquæ. I have seen the light from a sparkling Hickory fire, produce delirium in fever. I fear, it abstracts the stimulating passions, and when moderate I am perswaded would be of service in inflammatory Fevers. 5^{Rest}, it should be strictly enjoined. I have known many instances of very short journeys being undertaken in the incipient state of Fevers.

of Dr.

Nitre acts powerfully on the Stomach, this is proved by
Dyspepsia which is often the effect of the use of Nitre a
length of time; - it is improper in bilious Cases - Tart.
Sulph. is preferable in bilious Cases - The different
preparations of Antimony are recommended, of these
Tart. Emetic is the best. - Ipecacuanha may be substituted
in the room of Tart. Emetic - Seneca Snake root is
related to Tart. Emetic in its operation, it is used in cases
of Pleurisy, Anginosa and Rheumatism - - are there
any other means of reducing Morbid action in the
System? Yes, 1^o Powerfull friction 2^o Strong stimulating
Powers, In the Pleurisy suspending the patient by the
arm of the affected side over a Fence or limb of a tree
Cold and Warm Bath, There is no substitute for
Venadiction. -

of inflammatory nature prove fatal. 6th Sitting up in a chair is a good practice, it frees the patient from the heat of the bed, and gives the air free access at their Bodies. 7th Diluting Drunks are of much service in cases where acrimony exists, too much cannot be said in favour of them. Toast and Water, raw apple water and Tamarind water, all sweetened are excellent drink for this purpose, as likewise are Lemonade, Milk and Water, Jelly Water &c. Thirst should not be the measure to invite us to them. They should be urged at all times. 8th Filth should be removed from the body by soap and Water, and from the teeth, it is very prejudicial. Offal matter should be immediately removed from the rooms of the sick - 9th Medicines, acting by diverting morbid action from one part to an other, these come all under the head of evacuants. 10th Medicines said to be Sedatives, are 1st Nitre, this should be preferred to all the other neutral salts, except in bilious cases where Glauber's salt should be preferred. - Give $\frac{1}{2}$ to $\frac{1}{4}$ of Nitre every two or three hours. Of Glauber's Salt Give every two hours. 3 Curr. Tart. and Siccias of all kinds are good. 4th Sugar of Lead recommended by Sir Geo. Baker in Hemorrhages. 5th Fox Glove, I am of Opinion it might be given in inflammatory diseases with advantage 6th Sweet Oil the body anointed all over with it has been used in Turkey in pestilential fevers with considerable advantage, a sweat following its application. The Samaritans Balsam which is a mixture of Sweet Oil & Wine has been used in Fevers; it relieves the pain of a fresh cut immediately, in Pleurisy and Cough it acts very agreeably by by sheathing the Tissues from the irritating



discharge which takes place

There are states of fever where Stimulants are necessary. They are either external or internal. The former are, 1st Warm Bath, 2^d Cataplasms, 3rd Fomentations of the Bowels and Limbs. 4th Blisters &c. The latter are divided into Medicines & Alement. Under the head of Medicines are, 1st Fermented distilled Liquors. 2nd Empyrematic Oils. 3rd Musk. 4th Castor. 5th Opium, 6th Ether, 7th Mercury 8th Bark 9th Volatile Alkali 10th Invigorating potions

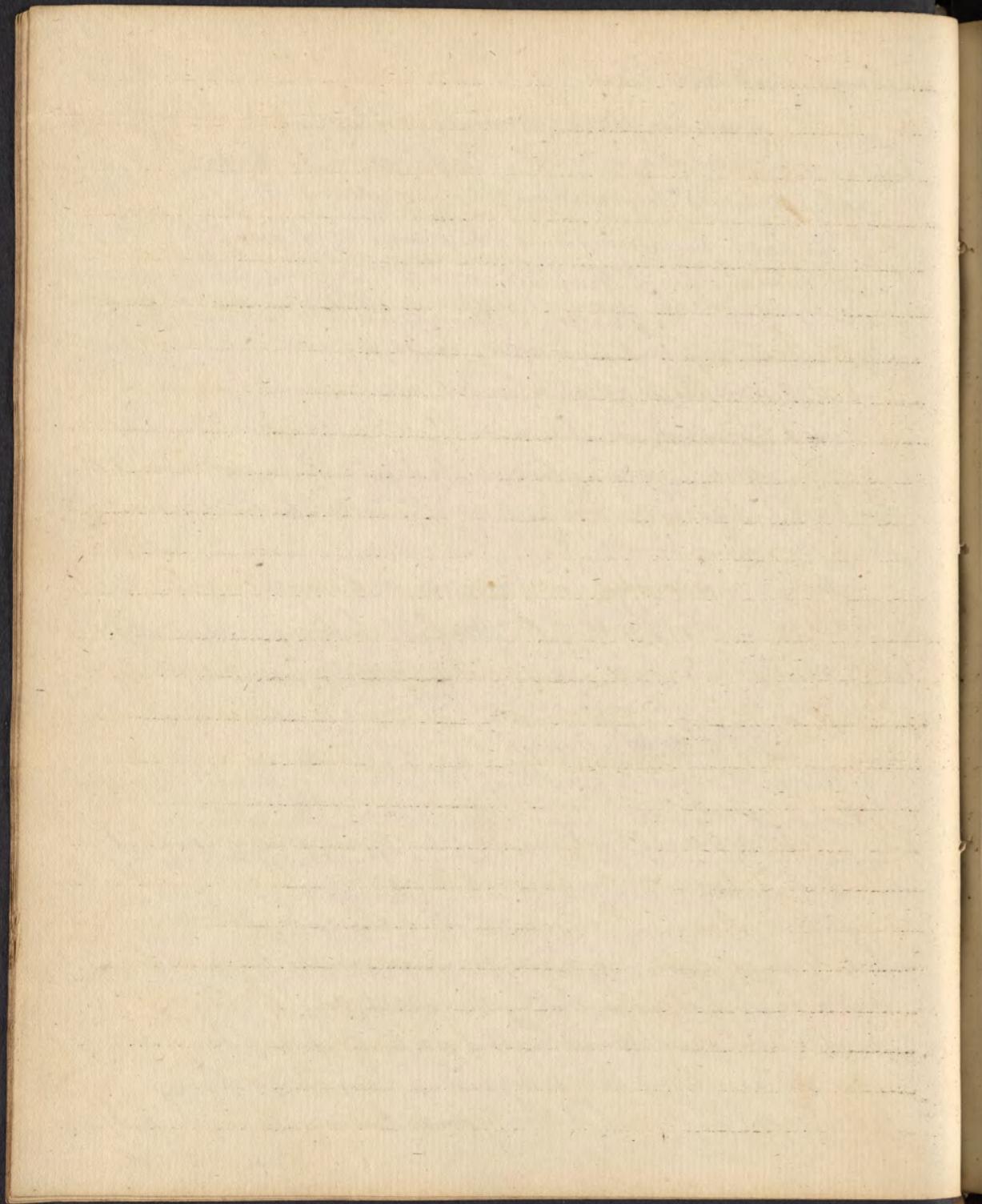
Under the head of Alement are

1st Vegetable 2nd Animal

In the administration of Medicines attend to the following directions, 1st begin with small doses and the weakest first and proceed gradually to encrease them 2nd Give but one or two at a time 3rd Give them in rotation, as a constant use of one prevents the system from being acted upon by it, whereas by omitting it for a time, its effects are again produced nearly as before. 4th Give them constantly. This applies particularly to the internal as Opium &c.

Of Stimuli considered separately.

1st Wine, This consists of a Spirit, Acid, and unfermented matter called Must. The white wines contain more of the nutritious, cordial, ^{stimulating} properties than the red wines, they should be infused in all cases of acidity. They may be either given alone or diluted in large quantities, as from a quart to three pints a day. Doct. Campbell gave a woman as much as six pints in a day. It is remarkable that persons in the Typhus state of Fever, who when in health could not drink half a dozen Glasses without being intoxicated will drink from two to three bottles of Wine without any sensible effect. I think I once lost a patient in this state of Fever



of Fever through the ignorance and obstinacy of his parents who would not permit him to take more than 2 or 3 Glasses a day, for fear as they said of sending him intoxicated into the presence of his God. 2nd Malt Liquors. Porter is preferable to all; its bitter property, gives it a tonic power, and is not liable to decomposition in the Stomach, from one to three Bottles, may be taken daily. Dr. Lettsome has the Credit of first introducing it into practice. 3rd Distilled Spirits. Spirits are far inferior to wine and malt liquors as they are less nutritious. They are only Stimulating without having any other effect. They may be given to such as are accustomed to their use with advantage and may be applied to the skin externally or snuffed up the nose.

4th Empyreumatic and Aromatic oils. Of the former I am only tied to the oil of Amber which is particularly usefull in the Hiccup which attends the last stage of Fever it proves very serviceable. It is good after all spasmotic affections. It acts on the muscular fibres. — Oil of Mint under the head of volatile oil is very serviceable in assisting the Stomach to retain Medicines.

5th Musk. 6th Castor, I am very little acquainted with the Stimuli taken from the animal Kingdom. These mentioned succeeded Album Grecum &c and other Soothsome remedies. Lately an attempt was made to introduce the Urine of the Pole-Cat into the list of the Materia Medica. I have seldom given any of these Stimulants from the animal kingdom, but when I have they have seldom done much good.

7th Opium, this is what the Roman Poet calls his hero. "Ipsius Agmen"

aymen" a host of itself. I believe it to be a Stimulus and a most powerfull one, all its effects may be explained from this principle. And this Opinion I published in the Philosophical transactions long before I heard the name of Doct: Brown in Medicine. 'tis true I knew him in Edinburgh when a Student, but he was then distinguished only for his profanity and his velocity and acuteness in writing and his being a very great Latin and Greek scholar. That Opium is a stimulant I infer from its effects on the human Body in health and sickness. Thus when given in small doses it decreases the frequency and quickness of the Pulse and increases its fullness. If in large doses inflammatory action is produced. If it acts upon the surface of the Body by producing perspiration and its effects are analogous to spirituous liquors. It produces sleep in the System when below the sleeping point by raising it to it, or if it be above by inducing indirect debility. It acts on the same person differently at different times according to the state of excitability. 30 Grs: of Sanc. Seg: affecting the system more at one time than 300 would at another. Doct: Beuguet at Paris took in the course of one day 100 grs. of Opium and 3j of Ether in a fit of the Cholice without any bad effects. It enlivens the mind and removes flatulency from the Stomach. All the Stimuli have their different systems to act upon, while it possesses an Universal empire over the whole Body. other Stimuli may be compared to a candle which only gives partial light while Opium may be compared to the sun which gives Universal light to all nations I was first led to believe it a Stimulant from the following

fact a Gentleman in the lower stage of Typhus fever took by mistake a tablespoonfull of S. Laudanum instead of the same quantity of a bark mixture and immediately fell into a deep medicinal sleep which lasted 48 hours, at which time he awoke relieved from all his symptoms; during his sleep his perspiration was natural & easy -

The want of sleep is more frequently occasioned by an excess than a deficiency of the dose - I have frequently induced sleep by 5-7 grs. of S. Laud. when 50 would not have had the same effect - Sleep should rather be brought on by raising the system to the sleeping point than by inducing instant dulness the latter tends to effervescence -

The following directions should be attended to in giving of Opium - I the less the deficiency of action the less the dose, by attending to this a few drops will sometimes have a salutary effect

II. The dose should be increased. III it should be given in small doses during the day, and a large one at night as then the dulness is greatest IV in all cases of sudden dulness it should at first be administered in small doses - Dr. Stedam relates the case of a boy who having been previously subtilized by an Emetic; died in consequence of taking XXX grs. of Laudanum which was certainly a large dose for the state of the system -

V after being used for some time it should be laid aside and other Stimuli used in its place. —

VI It should also be administered by Glyster when its effects begin to lessen by the mouth.

VII The dose should be lessened as the patient recovers in proportion to the ratio of the action of the system. —

VIII Other. It may be given after Opium from XXX grs to a tea-spoonfull every hour. — It is a very volatile Stimulus —

IX Mercurry, I have ranked it under the head of Stimulants it is a powerfull one. In 1788 I attended a Gentleman in a very low state of fever, on the 13 or 14th day he complained of a dull pain in the region of his Liver — suspecting an obstruction in that viscus, I ordered 3ʒs of Mercurial Ointment to be rubbed upon the affected part, which induced a salivation and promoted a favorable crisis — This medicine may be given with advantage in Typhus Fever. — In fact in every chronic state when every other Stimuli fail I always make it a rule to use this medicine freely —

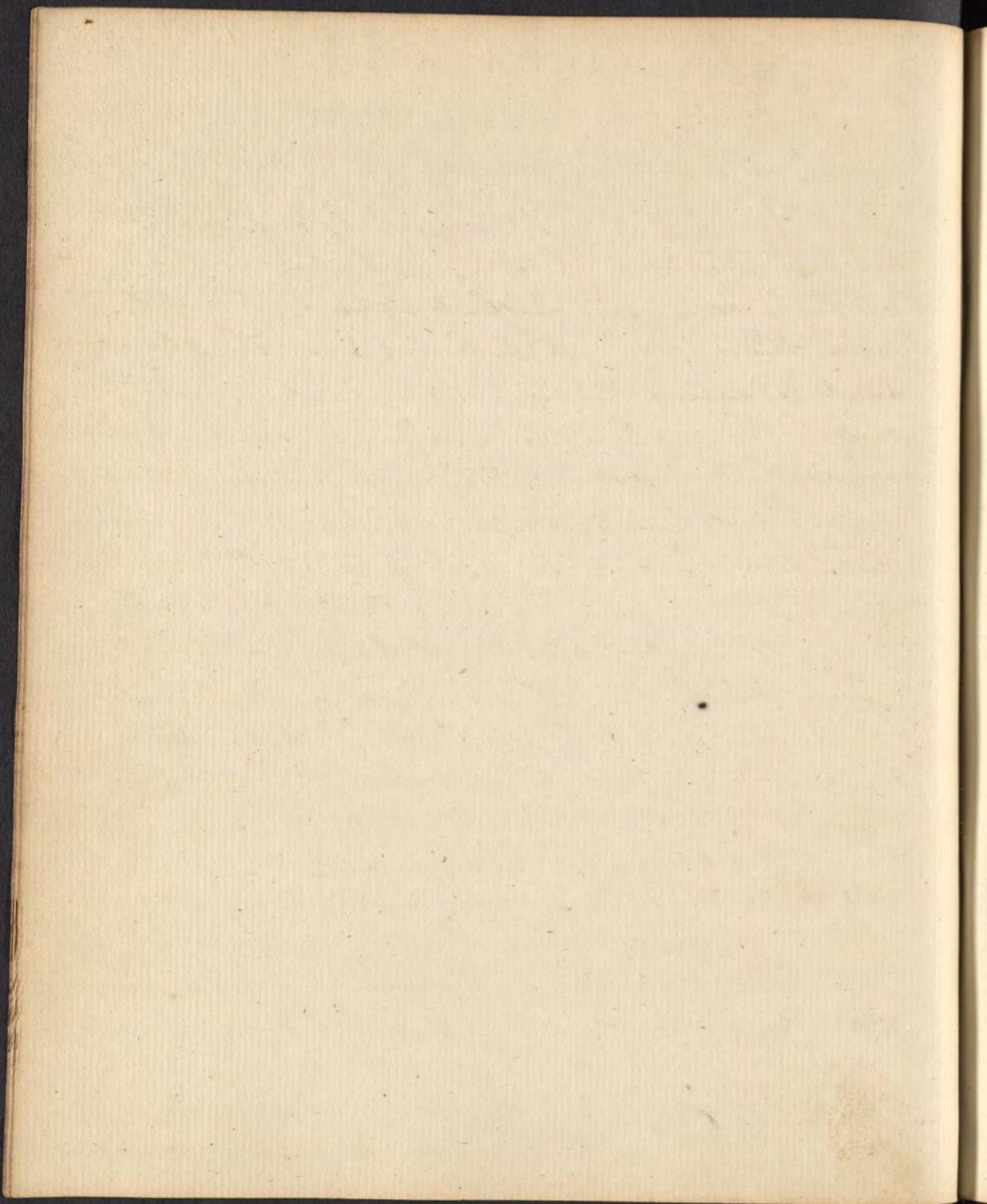
X Bark. It is good both as a diffusible Stimulus as also a durable one. It has many advantages in low states of fever — Its use should always be begun in infusion, then with Spt. Laudanum as follows, Take Bark mint water, ^{Laudanum} and Hufhams Tincture and mix them together. When it fails it is because it is not given in sufficiency.

large doses. It may be given from 3*j* - 3*x* per day. when it is rejected, Gentian and Colombo should be substituted, but they are no more to bark than Asparagine is to Opium.

XI Volatile Alkali. Pringle long ago discovered an antiseptic property in this substance but its use arises entirely I think from its Stimulating the System from 4*s v-x* may be given in form of a Pill.

XII Invigorating Passions. The state of the Patients mind should never be neglected in their low states of Fever. Anger and Terror have both been attended with success; by Anger 'Tis said D^r. Cullen once prevented an attack of a Typhus Fever. Courage has done wonders. Joy has often had happy effects. Hope is the most cordial passion and most under our direction. It should be excited by the recital of agreeable news. The midnight tales of Oldwives should be guarded against. A pious Clergyman should be permitted to converse with the patient I have seen happy effects follow their visits. It composes their minds and inspires them with hopes. A good answer to make to your patient when they inquire about their friends who are ill even tho' they be dead is to say they are very low but you hope they will soon rise or get up again.

XIII Pure Air. Too much cannot be said on pure Air I say pure air for cold air is very hurtfull in their states of fever. D^r. Lind mentions many cases in which a change of air changed the Yellow fever into a common Intermittent.



This among other reasons proves the utility of Fever. To encourage
 the circulation of pure air 1. The room should be kept empty. —
 2. There should be a fireplace in the room and a fire kept in it.
 3. All causes should be removed that tend to corrupt it. —
 4. Its impurities should be corrected by keeping a little
 fire in the middle of the room and keeping the windows open.
 Earthen walls are said neither to retain nor propagate con-
 tagion this is left on record by Count Sax. The effluvia of
 Smoke in curing Fever did not escape M. Bruce. for he
 says. "Those who were poor and lived in smoky houses
 escaped the Fever at Moscow". The deflagration of Nitre by
 pouring Sulphur Acid upon it disengages pure Air. —
 Tubes from the outside to the inside of the Patients room
 have been recommended as an excellent method to purify the
 air. — The smell of vinegar whether pure or burnt is very
 grateful in this fever, but it should not be sprinkled on
 the floor as it is apt to putrefy there. Water should be
 prepared to sprinkle the floor with. Volatile Liniment
 is now applied to the stomach and Bowels and inject-
 ions of Bark wine is very serviceable. —
Aliment. This is either vegetable or animal. Under the
 Vegetable are Sago, Panado, Tapioca &c. Animal
 food has been objected to on account of its alkalescent
 tendency, but without foundation, it is far preferable
 to vegetable because it is more stimulating. Oysters
 and Chickens are grateful. When soups are objected
 to solid food may be recommended. I have cured many

in low fever by attending to Alement. The degree of appetite should not regulate the administration of food. — For we know that there is often digestion without appetite & vice versa. — You should urge your patients to eat often 'ho' but little at a time. —

External Stimuli. They are 1. certain internal stimuli so prepared as to be applied externally to different parts of the Body, as the Nose, the Temples, the regions of the Stomach and Bowels, the Limbs, and the lower Intestines by way of Injections: 2 Cold and warm Water but this can seldom be used owing to the great debility induced by getting out of bed. Doct. Tilton was nearly destroyed by endeavouring to apply it in the late war. — All their advantages may be obtained from warm fomentations of Brandy and Water to all the parts of the Body. —

Pediluvium. Sponging the Body with cold and warm water will answer. Stimulating Cataplasms of bread and milk mixed with Garlic should be applied to the feet, but should not stay on longer than two or three hours. It is not necessary they should stay on longer than three or four hours. If this fail the external application of it with Wine will have a very good effect. — Doct. Broadbent of S. carolina was cured by being wrapped up in strong infusions of Bark and wine — 3 Blisters. They are not improper, but they are seldom of much service. They are what Doct. Brown happily calls "extreme unitio" — In Medicine there

is a point which I have called the blistering point, after which they should not be applied.

4 Fomentations, of Volatile Liniment, mint water, Camphorated Spirit &c are proper. 5 Caustics in the low and lethargic state of fevers, they are attended with imminent danger to a patient. They should be applied between the shoulders. 6 Boiling water and hot Irons should be applied in Syncope and Apoplexy. As we wish them to act quickly; when they are not at hand a coal of fire will answer.

Important Questions.

Is it proper to set up in the low state of Fevers? No. — I have known many deaths in consequence of rising to go to stool. — Some saw a death suddenly happen by turning from the one side to the other. These exertions abstract Stimuli. Cloths or a bed pan should be used to remove the patient's stools. — Are cold drinks proper? No. — They should be warm unless there be a local affection of the Stomach as happens in the last stage of these fevers from a retraumal of the excretions from this Organ. 3 Is purging proper? No. One stool a day will be sufficient but no inconvenience will arise from the retention of the Feces two or three days. —

Is sleep proper? To judge concerning this the pulse must be attended to. If it be active sleeping is proper. If low, the patient should be frequently awakened to take some Stimulant or nourishing diet. — These observations will show the immense consequence of frequent visits to your patients. The necessity of our frequent attentions will also

22

also occur to you when you consider how readily one state of fever changes for another. — I will here risque a bold assertion — If a Physician was well acquainted with the state of the system, if he had an uncontrolled government over his patient, if he was always to be with him &c. I have thought it impossible for him to die of a fever. — Unnecessary attendants should be prohibited from your patients especially the friendly Physicians who are not the attending or Consulting Physicians. They are not responsible for the life of the patient and their conversations frequently destroys the necessary confidence in the prescribed chae-
cine or the attending Physician. A Physician should always study the climate and the prevailing diseases of the Country in which he lives: Then the habits and constitution of his patients &c. But the state of the Pulse, the state of the system, the state of the system I repeat is should be the Compass from which we should never take our Eye in directing our prescriptions. — 'Tis this that should alter, lessen and increase the dose of Medicine. — 'Tis like a ship at sea when sails must be altered at every varying change of the wind. — — —

Convalescence. We have finished our description of fevers generally. Yet after the termination of fevers patients are frequently the objects of medical attention. Convalescence is itself a disease of excitability with excess of excitability and with several symptoms of fever. The symptoms are 1^o Watchfullness. 2^o Sickness and vomiting 3^o defects of appetite. 4^o Swelled Legs. 5^o obstructed Beca — 6^o Ulcers.

7th Defeat of Speech. 8 Impaired Memory. 9 Alteration of the Voice. 10 Costiveness. 11 falling off of the hair or its becoming Gray. - 12 Impaired state of the Understanding. 13 Cough. 14 depravity of the moral faculty sometimes occurs. 15 A discharge of bile sometimes takes place after bilious cases. 16 Fervishoods will frequently happen and is sometimes preceded by Chills.

The cure consists in cordial drinks and nourishing Diet; of the former, Porter and all malt liquors, of the latter Chocolate, wild fowl, Beef Stake, Beef Stake, Oysters &c. We must let our patients eat often ^{but} little at a time. Fluids of every kind are proper in the convalescence of Fevers, - We must however for sometime use the most nourishing. Mr. Howard tells us that a relapse has happened 40 days after the Plague by eating animal food. and Mr. Bruce tells us that after a severe fever even the smell of meat had a bad effect. - The unusual indulgence of the sensual appetite frequently occasions a relapse, as also too great indulgence of the Understanding. Doct. Campbell relates an instance of a convalescent dying immediately after answering an interesting Letter. - The usual stimuli should be cautiously applied. - Carry your patient as soon as possible out of the room when he has lately escaped his grave. - For his employ. Pillboxes, Bottles, Rags, Plaisters, Fragments &c. frequently produce a relapse by a debilitating association of Ideas. I would strongly recommend change of dress, shaving, combing the head &c. The patient thinks himself well.

well. — I have heard of a Gentleman in S. Carolina who always relieved himself of a fit of low spirits by going into his wardrobe and changing his dress. Change of air. Gentleman in a carriage but not so violent or so long continued as to induce fatigue, for novelty has surprising effects. A wash of Bark is an excellent cordial in convalescence from fever.

1 If the fever was taken either by infection or contagion we should avoid it. 2 We must avoid purging for its debilitating effects are too severe. For some of the symptoms attending convalescence the following remedies may be employed.

1. for the obstinate Watchfulness a few drops of Laudanum or some porter will be proper at bed time. 2. a sickness in the morning and vomiting may be prevented by eating a small quantity thro' the night. 3. A few drops of the Elect. Balsm three or four times per day or a preparation of Bark or Colombo root will be very serviceable to restore the appetite. 4 Swelling of the legs will be removed by wetting them up and in the morning only. 5. Veneral Obstructions may be removed by bleeding if the pulse will bear it. A mineral purge or mercurial fusions.

6 Ulcers according to my principles may be treated with Stimulating applications. — I have known fatuity cured by the cold bath and I have known lying cured by the same means. — The impain'd state of the faculties is very hard to remove, time and good living will most probably cure. By attending these methods laid down

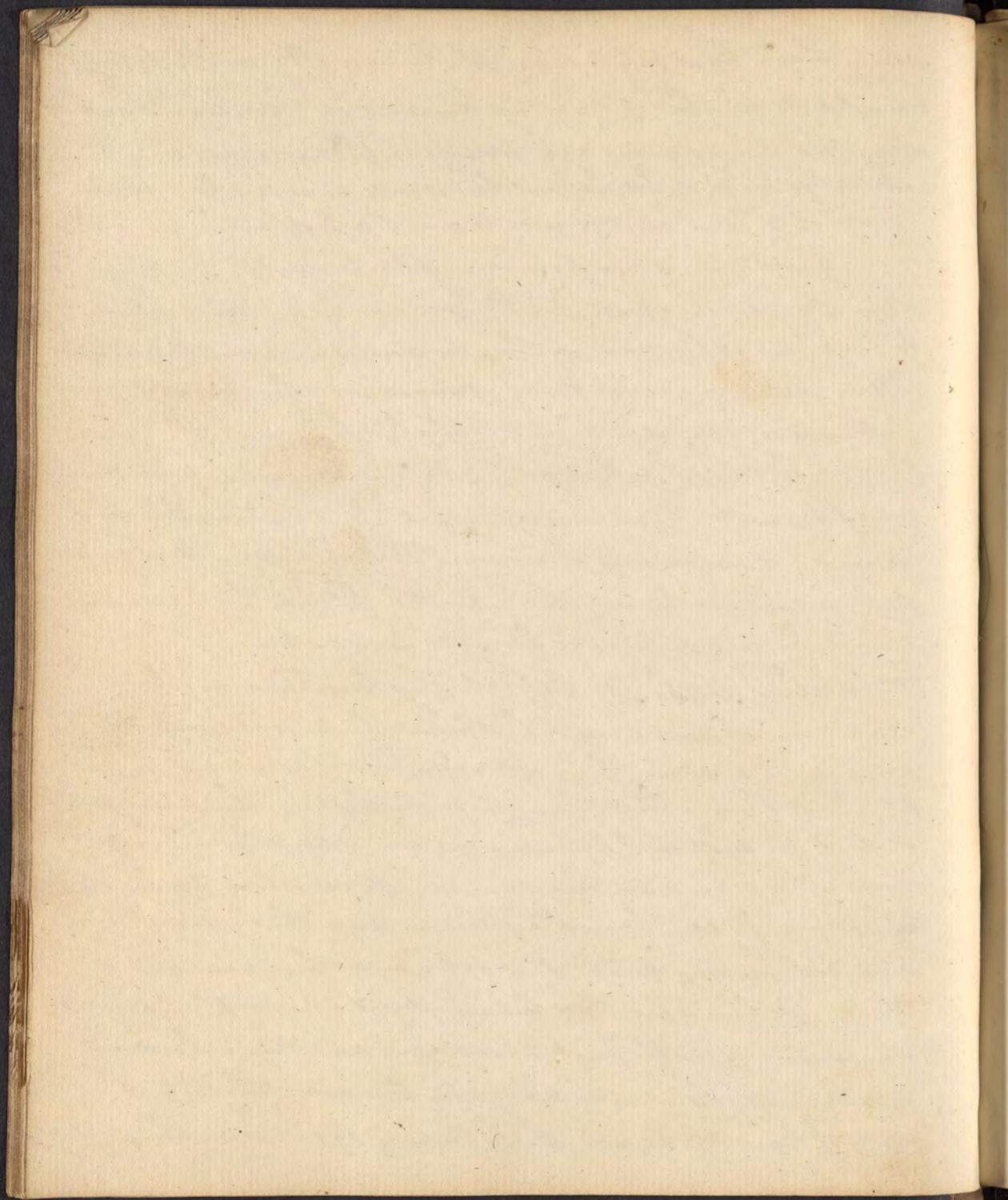
many have been saved from the Grave. From the present
successfull method of healing diseases not one of an hundred
dies. Tho' thirty years ago twenty of that number died.
Let us go on and I doubt not but it will be as rare for a man
to die of a fever as it is now to die of a toothache. -- --

Great care is necessary in regard to nurses for they
often obviate the effects of a Physician by a total neglect
or improper exhibition of the Medicines and diet prescribed.

When patients are in great danger we should only trust
Nurses or attendances of established Characters. --

Consequences of FEVER. are 1st an increase of growth in
young animals. 2^d an increase of fat. 3rd it removes Chronic
diseases. 4th sometimes it removes Barrenness. - How does
fever act in producing these effects? It acts by producing
a more extensive base for Stimuli to act upon. --

Critical Days. It is possible they have been properly
ranked in ancient times, but from the present corrupted
state of the system there is no accurate judgment to be
formed of them. That there are such days in the uncorrupted
state of the system I presume no one will deny. The quo-
tidian, Tertian and Quarten are all original forms of in-
termittent fever. Some Physicians deny that yellow Fever
is an intermitting fever. It is false and there never was a
Fever yet but what had intermissions except the patient
was carried off in the first paroxysm, and they who deny
it must want understanding and candor. The 1st 3rd 5th 7th
9th 11th are the periods of the Tertian type, from this ability
gives



gives is the Quartan Feve and the 14th, 17th and 20th are its periods. — However plausible this doctrine may be it has its difficulties, as thousands have crises on noncritical days. — However the present mode of healing fevers destroys those days altogether. — My contemporary* at the university of Edinburgh throws aside critical days and substitutes critical periods. — The Dr. reasons ingeniously, he accounts for the return and exacerbations from the influence of the moon; by attending to the Periods of the moon Doct. Balfour says his practice is more successful. He gained reputation &c. &c. at the change of the moon he says his patients were always worse. — I am disposed in a great measure to adopt Doct. Balfour's opinion as I have lately been informed by Dr. Pinard an intelligent physician that the influence of the moon is so strictly observed on the river Demara in S. America some thousand miles from the sea shore, that if they were asked to dive out they would always examine the almanac to see on what day the moon rises and changes. If it occurs on those days they would not go as they always look out for an attack of fever.

Prognostics was the business of Physicians when priests and Physicians were combined. I have been led to believe the doctrine of prognostics half false. The further the pulse deviates from the natural, the worse. Patients seldom recover when the pulse beats 180 strokes. in a minute. Some tell a pulse which beat 204 in a minute

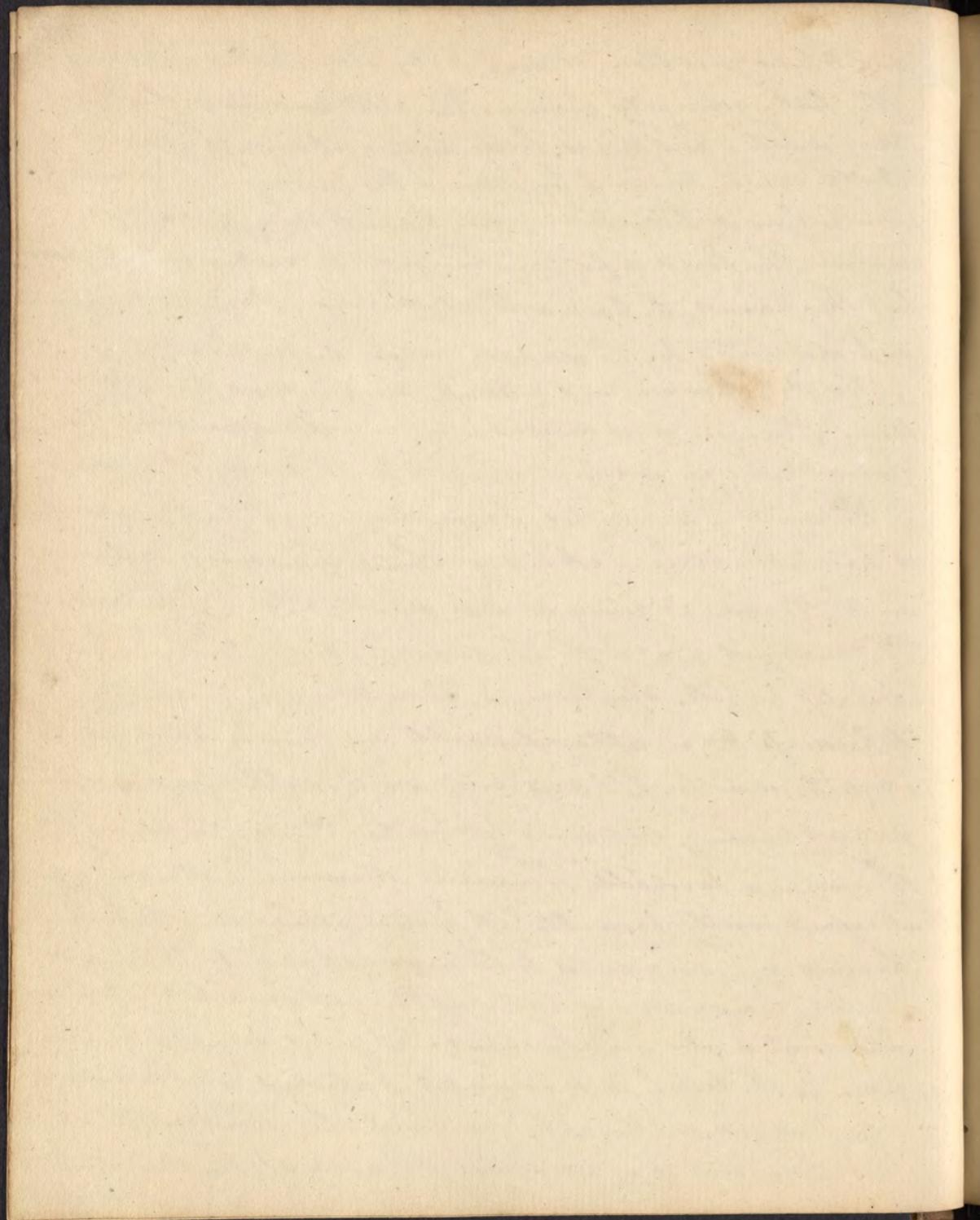
Michigan



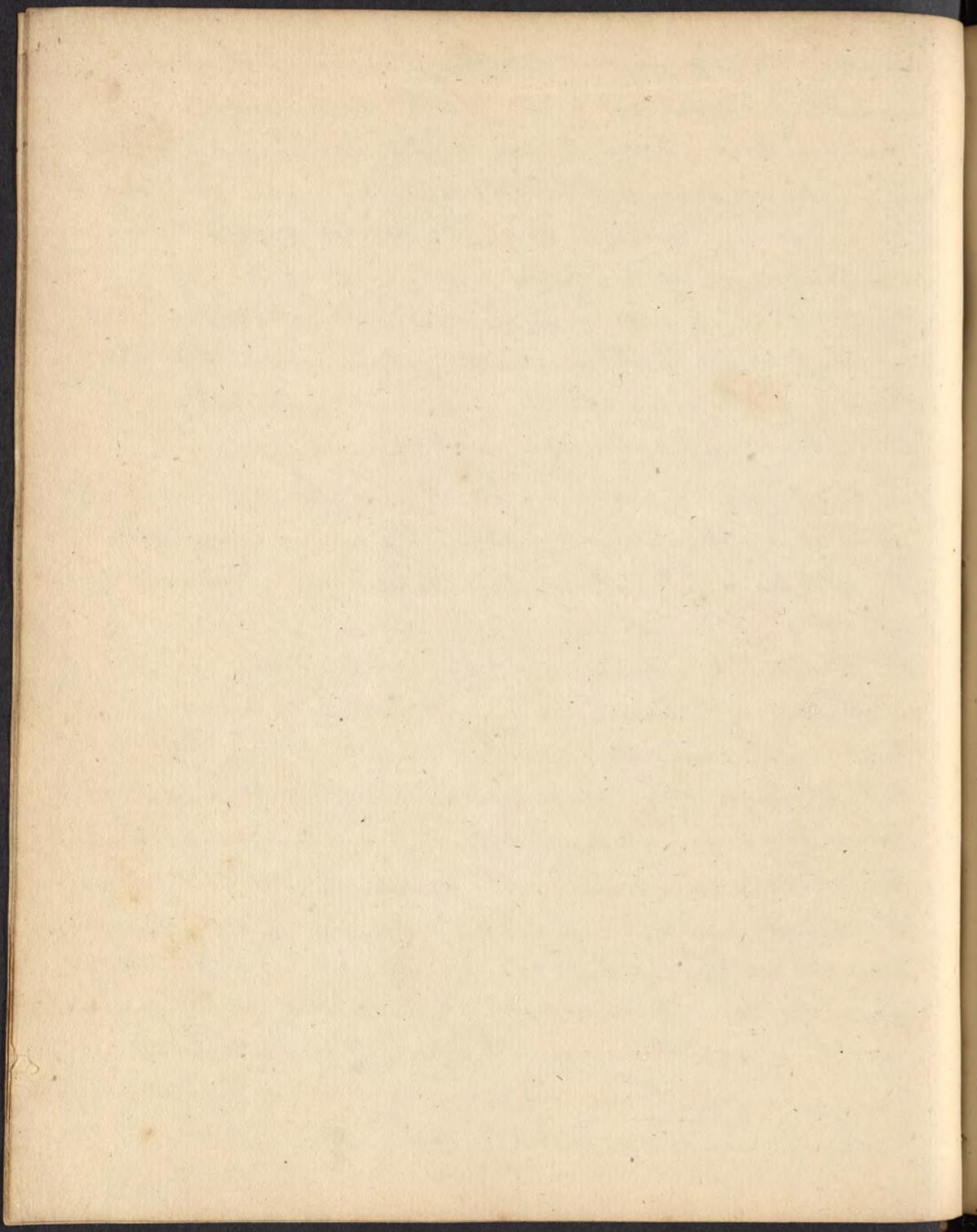
in a Child just born, is said of Hydrocephalus internus.

The pulse generally becomes languid and irregular just before death; but this is by no means always the case. Little can be known from pain in the prognosis of diseases. Women bear it better than men because the symptoms sooner run over the point of pain. There may be disease without pain but there cannot be pain without disease. Pain is frequently disproportional to the danger, as in the Toothache.

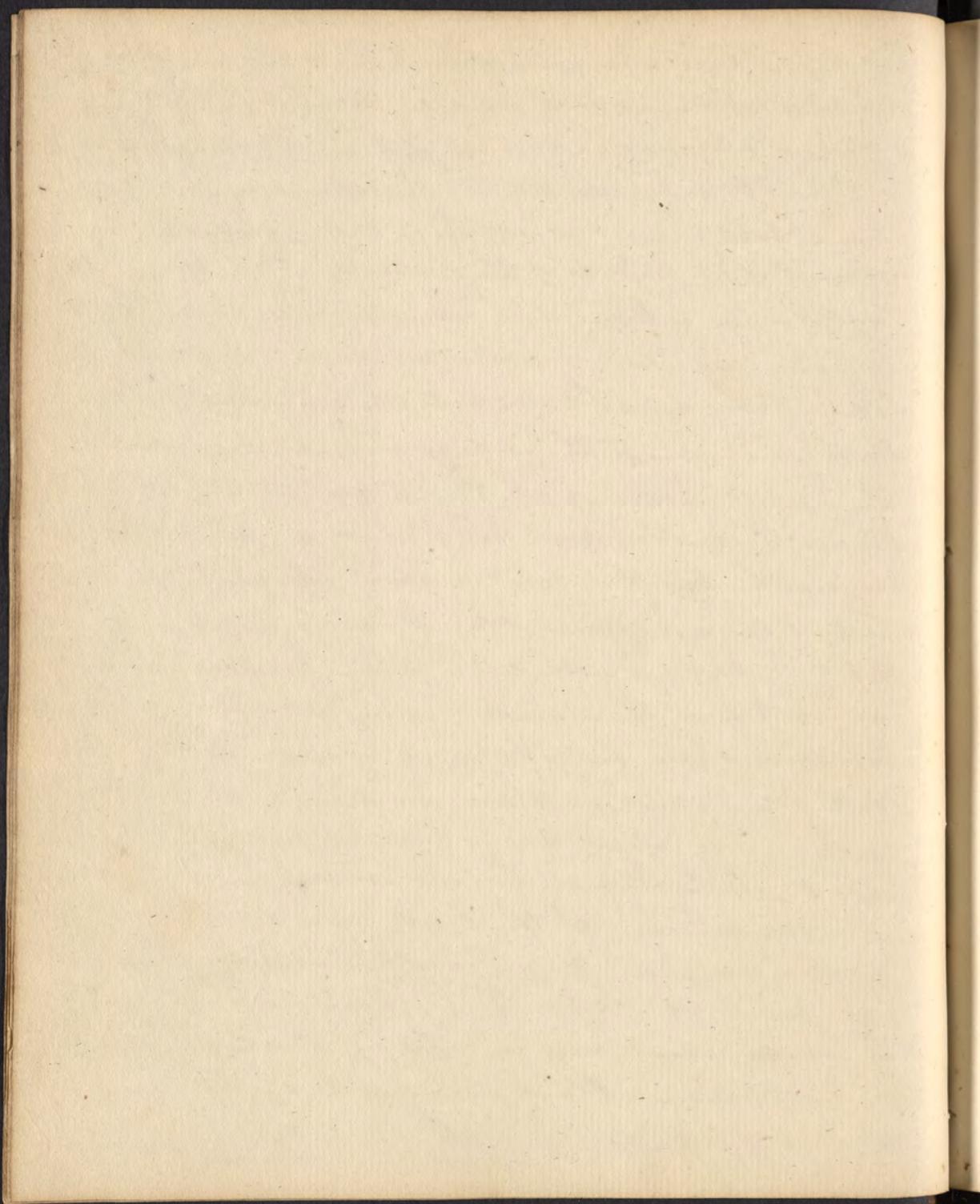
Great heat or constant coldness are symptoms of malignant fever. Pain in most diseases is a favorable symptom. This is generally a sign of convalescence from Mania. A coldness of the wrists is dangerous, I never knew one to recover after it had taken place. A red eye shows congestion or inflammation in the Brain. A muddy eye denotes a fever of malignancy. Pictorial heat of the cheeks and palms of the hands and feet. Dilated pupils. Strabismus. Double vision, Watery eyes, Blindness &c. are all unfavorable symptoms in acute diseases. A disposition to shed tears easily is a favorable symptom. The patient turning suddenly to view his Physician entering the room is favorable. Tonitrus Aurium is alarming. Deafness mostly favorable. A pictorial acuteness of hearing denotes a crisis to be near at hand, sometimes favorable and sometimes unfavorable. Insensibility to burn, blisters and cold are alarming. A great sensibility of pain to the touch is favorable, I always congratulate my patients on the appearance of this symptom, it shows an extension of excitement. Running at the Nose always passes



favourable. Acute sense of smelling denotes a crisis rather favourable to be near at hand. A White Tongue denotes a malignant fever. A dry Tongue always alarming. A moist Tongue always favourable. A dark colour on the Tongue will sometimes remain some days after recovery. Tumors of the Tongue or an inability to protrude it are bad symptoms. Furred teeth, hanging of the lips and under jaws and grinding of the teeth are all unfavourable symptoms. Yawning, Sneezing and are all favourable. A chilly fit in the close of a Chronic fever is favourable, it shews the breaking of a fever. A quick and sharp voice is alarming if it is not natural. Drawling voice favourable. Loss of Speech bad. Priapism sometimes favourable and sometimes the contrary. Frowning shews an affusion to the Brain, 'tis a symptom of great malignity. Resemblance in the face to a patient's ancestors is unfavourable. The Hippocratic countenance which may be known by the ghastly look, sharp nose, hollow eyes, sunk temples &c is always a dangerous occurrence. Alternately quick and slow respiration, hollow sound in breathing, rattling of phlegm in the throat, working of the shoulders in breathing and expansion of the nose and cheeks are all unfavourable or the back lets go. - Feet drawn up back and sliding down in the bed still worse. Penitiveness is favourable, silence and asking for things uncommon are unfavourable, Difficulty and noise in swallowing are bad. Thirst in the last stage



last stage of fever is unfavourable, it shews the last retreat of morbid excitement to the fauces. No thirst in the begining of Fever is alarming. A return of former habits as a desire for Tobacco &c. is favourable, it shews the return of the association of health. A suppression of Urine shews an engorgement of the vessels of the kidneys. Pale Urine bad. Turbid urine or Urin with sediment more favourable. Bloody Urine bad. Involuntary discharge of urine bad. — Green and black stools shew morbia. Bile. — Stools which corrode the rectum indicate acute biles. They are all unfavourable. They discover weak bowels. — Absence of smell in stools bad, a return of smell always favourable. Crispines a good symptom. An involuntary discharge of faeces unfavourable. Sudor is sweat properly so called. Mader is softness of the skin. Hemorrhages more favourable from the Anus &c. After all Gent. you will find there is none but what will accrue. Like General Wolfe your patients will die sometimes in the arms of victory. Two inferences may be drawn from what has been said 1. we should never give our patients over especially in acute diseases. 2. We should never prognosticate the issue of a disease. If you would always say they would die you would be like the Irishman who was sure he would draw a prize in a lottery because he thought he would draw a blank. But to be serious never say you can positively cure a disease, never prognosticate certainty



certainty of the event of a disease, they are equally signs of
Quacking; When I have been asked the event of a disease,
I have generally evaded by saying, I have seen those
who have appeared better die, and those who were ap-
parently worse recover. This tho' it say nothing gener-
ally satisfies. —

Signs of Death. I know but one sign of death. I mean
Putrefaction, this is not always decisive as we know
that patients sometimes recover after the cadaverous
smell has taken place, which shows that putrefaction
in some measure exists.

We now come (gent) to consider the different states
of Fever. 1^o those that affect the arterial system without
any local affection. 2^o those that affect the Arterial
System with local affections 3^o such as pass by the
Arterial system and fall on other parts. Those I have
called misplaced state of fever and

II such as affect the Arterial system without any
local affection.

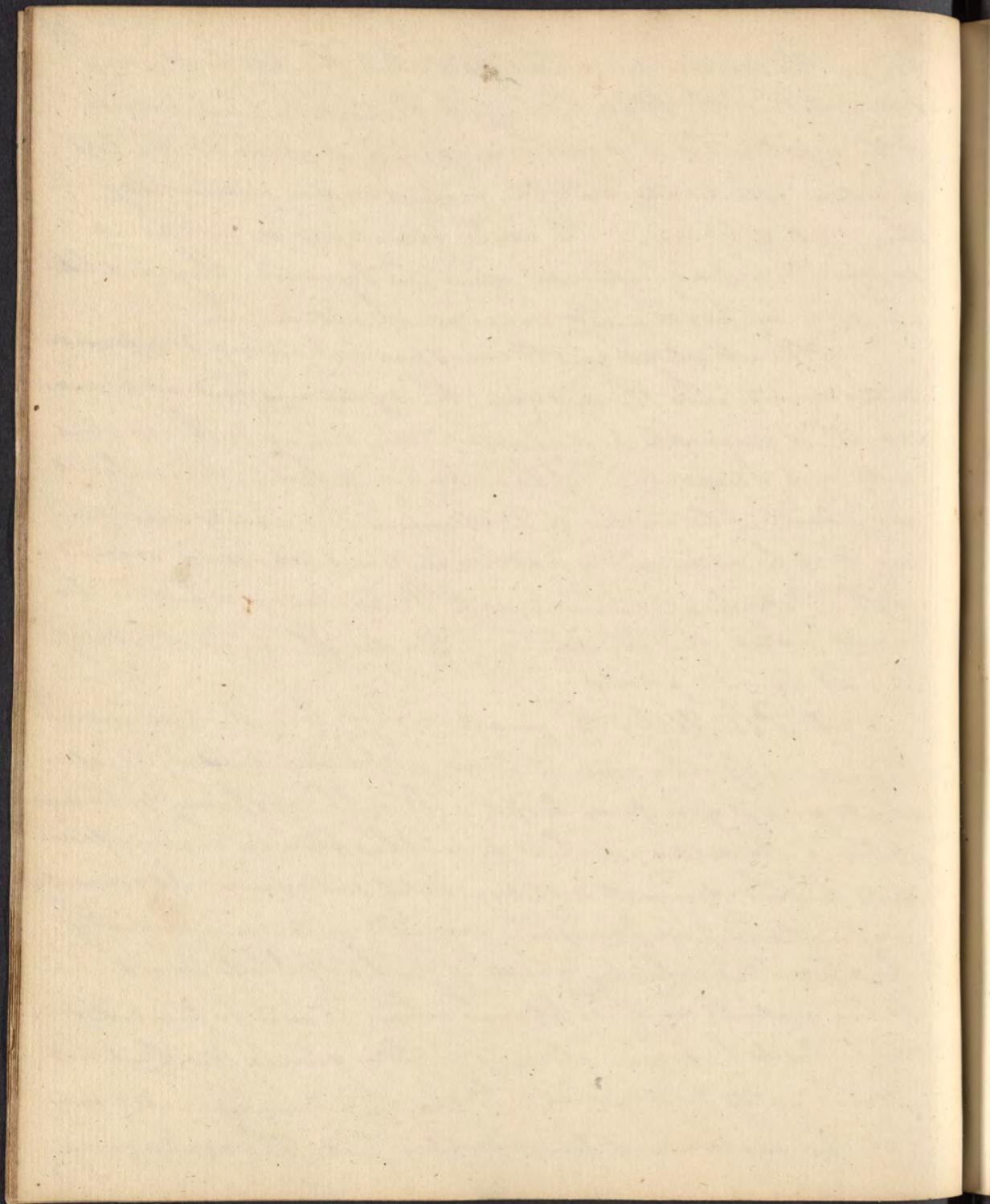
II Malignant state of Fever. 'Tis what D. Cullen
improperly calls Typhus Gravior. A small, depressed,
Intermittent, &c pulse attends this state of Fever. —

'Tis a state of the highest exertion. 'Tis a disease
beyond action: Opium, Poisons, contagion, &c act in
this manner and prostrate the functions of the system
so much as frequently to occasion immediate Death. —
A weaker action of these stimuli produce a kind of
Palsy in the arterial system. In infections from other

Fever. The arteries are found full, but they are as it were saturated with blood, owing to simultaneous action of the vessels. 'Tis of great consequence to attend to the loss of action externally and the violent action internally in this state of Fever. — The acid excretions do not as is supposed, act as ferment upon the system, they act like caustic in producing increase of action. —

The Malignant Fevers are not owing to a ferment introduced into the system, the symptoms and appearances which resemble putrefaction are owing to the violent action of Stimuli. I have known dissolved blood in Gout and Doct. Alexander of Baltimore has lately informed me that he attended a patient in Gout who died covered with Petechiae; and who will but need to say a putrid ferment was the cause. — Under the head of Malignant fever comes

I PLAGUE. The malignancy here is more unusual than in any other state of fever. — I never saw it, therefore shall give it you from books. — It is the offspring of human effluvia. to distinguish it from the effluvia arising from dead, putrid, Animal and Vegetable substances. It generally originates in poor families crowded into small dirty houses. 'Tis a higher grade of jail and Ship fevers. — It has declined in those places where it used to prevail since cleanliness has been observed. — It is generally but not universally contagious. It can be communicated only at the distance of ten or twelve feet. The contagion of it

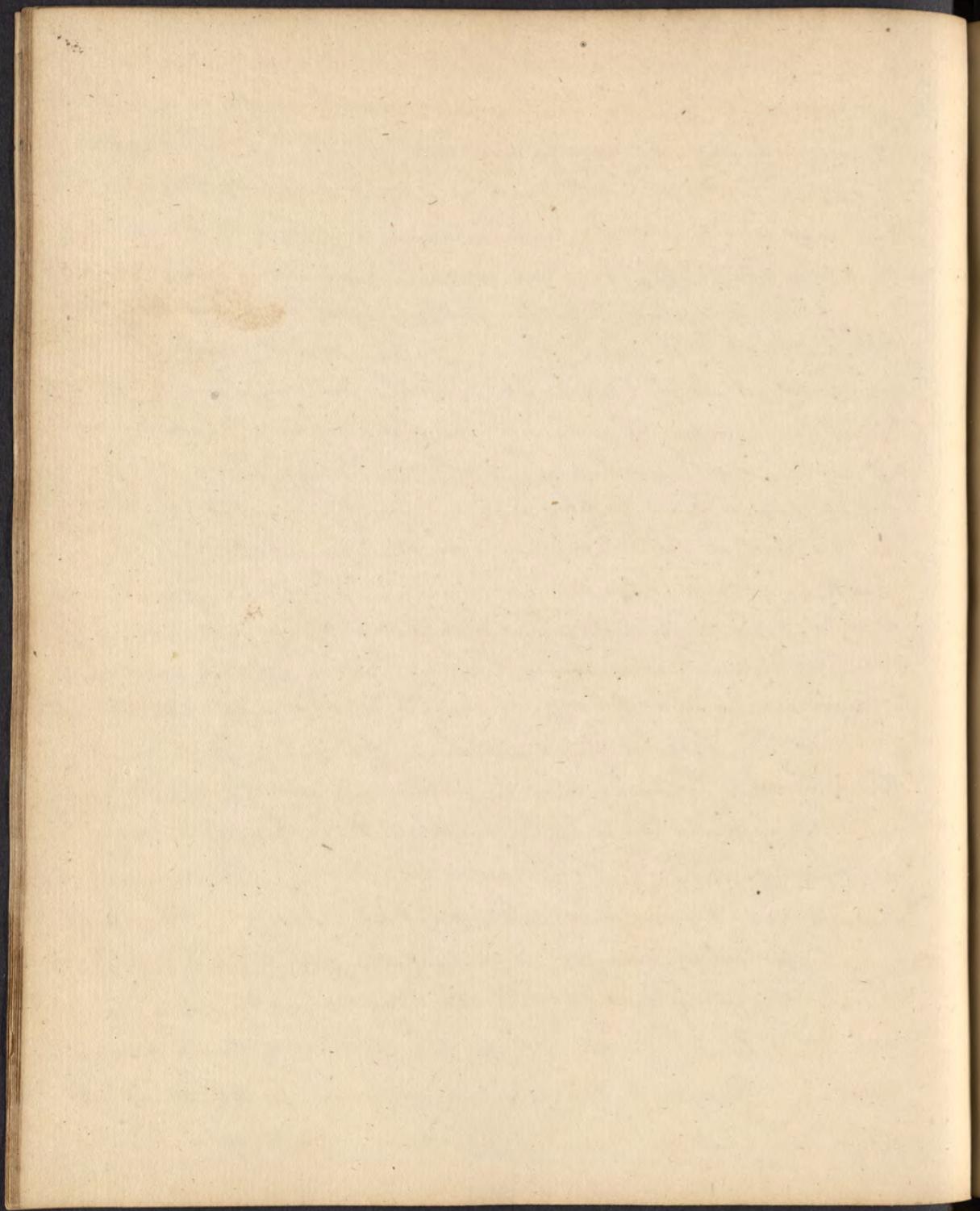


of it attaches itself for months and even years to wool, clothes, Hair, Wood &c. While washing destroys the contagion. Dogs and Cats spread the contagion in London - The matter coming in contact with the finger will propagate it. - There was an instance where even a small particle of matter attached to a door communicated the disease.

The plague like the yellow fever requires an infecting constitution of the air to render it general or universal. Moist and cool weather favour the spreading of this fever like other contagious diseases; While very dry, cold, wet and hot weather destroy the contagion. The disease may be taken two or three times, a proof that like the yellow fever and not like the small Pox it does not depend upon a specific contagion. The disease generally attacks, one, two, or three days after the application of the cause. It sometimes however destroys life suddenly. It requires some exciting cause to put it into action.

Garlic, Sassafras &c. have been of service in preventing this disease. Tobacco that pernicious weed has never been found of any service in preventing it. - Inoculating will not prevent further attacks, but it will render the present much milder. Low diet and small bleedings are of essential service in preventing it. An Earthquake has destroyed the contagion of the plague - The plague is a violent fever, it appears in the form of a Quotidian, Tertian, Quarantine and continues even to 40 days. It is like the Yellow Fever an epidemic of all diseases. -

It has



It has been said that the yellow Fever must depend on a specific contagion because there is most universally a crisis on the third or fifth day; 'Tis not so, not to advance other reasons Dr. Pinard has informed me he has seen it burn out for days and weeks together the Plague carries away all other Epidemics. -

CURE. I Bloodletting

II Sweating. Doct. Sydenham was obliged to adopt this method from the prejudices of his patients. -

III Purging.

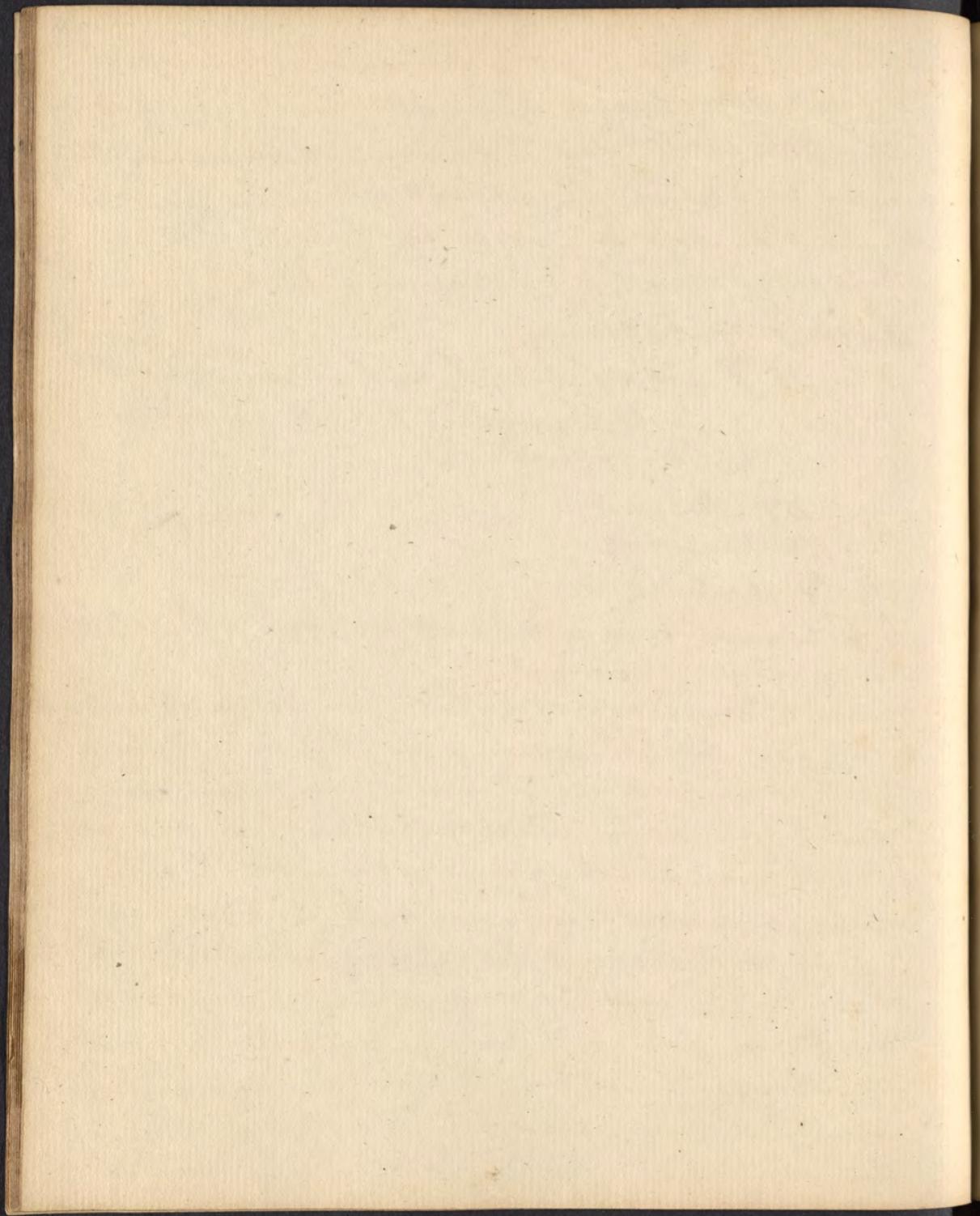
IV Vomiting.

V Salivation.

Cold water, cold air and all remedies which take down of course excitement.

I will only add that it never occurs without producing dissensions among the Physicians, some making it an indigenous disease, while others derive it from importation. They might with equal propriety derive it from the planetary System. all the other malignant states of fever are cured by the same remedy.

That malignant state of fever which is brought on by an over dose of Opium, which I shall call an Opium fever is effectually cured by Bloodletting Vomiting and Purging. This is of immense application to our principles in medicine, it shews the Unity of cause and effect. It shews that we are able to unlock



a door with a common key that has been lock for ages.

2^d Hydrophobic state of Fever. In entering on the consideration of this disease I feel as David did when he approached Goliath, and my remedies shall be as simple as the sling and stone of the shepherd boy. It is produced by the bite of a rabid animal. Blood must as certainly be drawn as for the inoculation of the small pox. — Petrid Aliment, famine, thirst, fear, wounds, an affection of Ideas, contagion of the Typhus fever. — Hydrocephalus interius as a remote cause acts directly or indirectly by inducing morbid action. The Saliva of rabid animals produces the highest grade of this disease. — It acts upon the throat as some contagions acts upon the Liver. Speaking of water pouring it from one vessel to another, and a sight of water, will all excite a paroxysm of this disease. That it is a fever of a violent kind I infer from 1^t from its being the consequence of a fever in a rabid animal. 2^d from the highly feverish symptoms as the red eyes, headache, inflammatory pulse &c. 3^d from the causes which produce it, as penury of Aliment, contagion &c. The symptoms of it in a dog are dull eyes, firm look, Slavering, Madness &c. It also occurs most frequently in those seasons when Epidemic fevers prevail. As an author has accurately observed why shoud not this disease affect dogs and the human species as well as the Plague &c. 'Tis not more remarkable that this disease should produce a dread of water than that.

that the causes should in other fevers produce a hating
to aliment, intolerance of light &c. Doct. Trotter has
lately published some good observations upon this disease.
Formerly when I lectured upon this disease, I said I
made no doubt but the time would come when we
would have perfect control over it. I am happy to
inform you that, that time has come, for it yields
with certainty to our remedies. The symptoms are
in every respect similar to other fevers. — Doct. Fothergill,
Boerhaave, and Mead describe this disease as being accom-
panied with a slow and ^{inter}remitting Pulse, unim-
med sensibility. Doct. Plummer in Vol. 6th of the Med.
Essays of Edinb. describe sighing, hiccup, watery eyes
as attending it. Doct. Arnold takes notice of the
sparkling eyes, vomiting, Watchfulness, convulsions
inflammatory fever &c. in his description of this complaint.
No symptom occurs here more than in other malignant states of
fever. Dr. Doct. Mead's many. Disease. In a case which came un-
der my care the pulse was so very tense as to deserve the name
of Iron Pulse, he was very low spirited sigh'd much &c. I
was called at a late hour, took some blood from him which
was very sigh'd, but he died next day in convulsions. —
It was not until after his death I found he had been
bitten by a mad Dog. A more genuine inflammatory fever
I never saw than it was. There is a case related in the
Med. com. of Edinb. Vol. IX where no fever attended. Doct.
Bawngton takes notice of a priapism attending this disease.

41

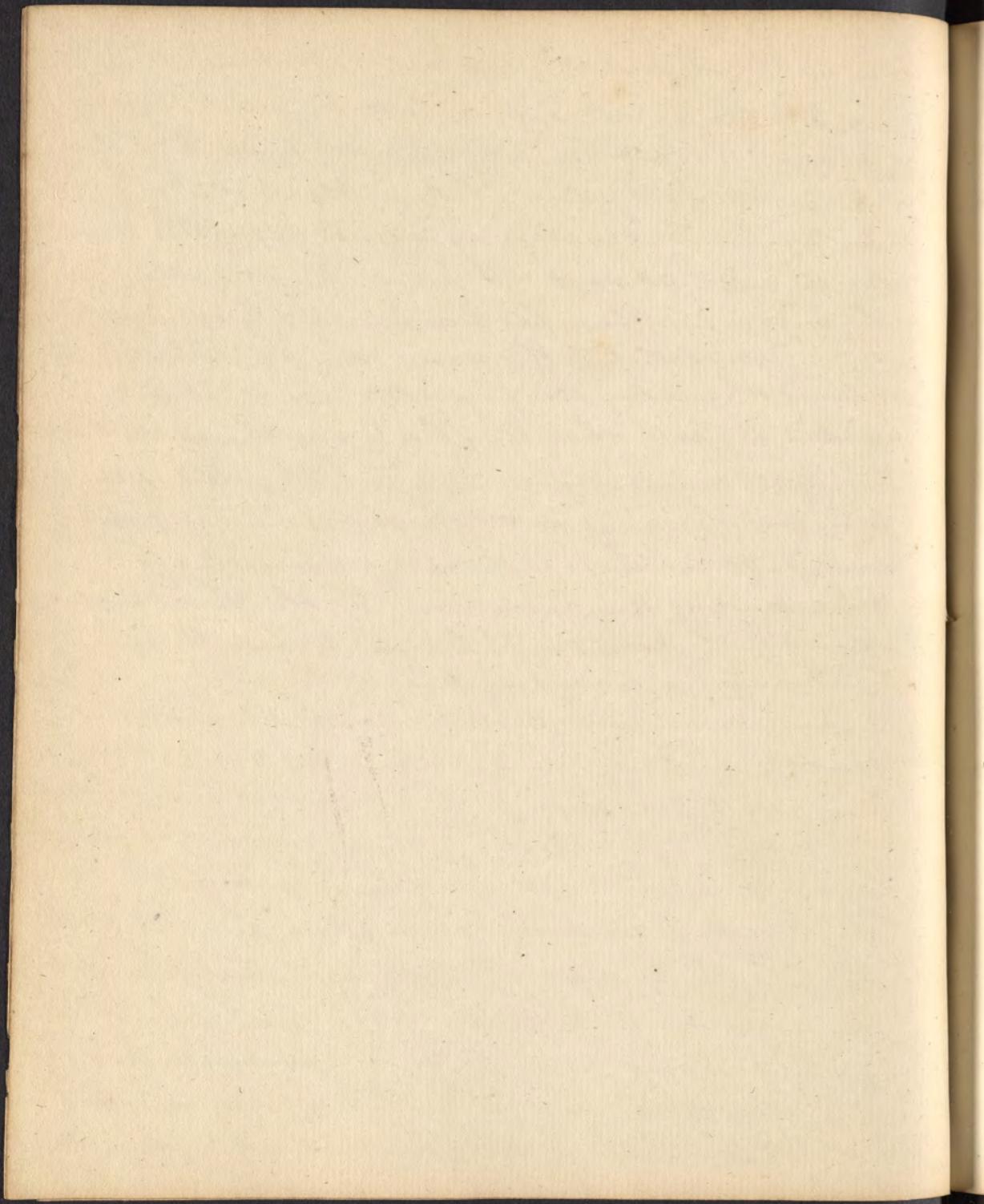
I saw the same symptom in two or three instances which all ended fatally. The body in this as in all other malignant diseases putrefies speedily soon after death. If blood has not been drawn - The Blood has also been found fluid in the vessels after death. Morgagni in his dissertation takes notice of a black bile being present in the Stomach and Gall Bladder. Petechiae have also been observed on the skin. - In some all of the symptoms strictly mark the similarity of this with other states of fever. A patient has died of this disease without a single mark of inflammation; his morted action went so far as to destroy the patient before inflammation took place. I make no doubt that if the patient had been bled he would have had inflammation. Nothing more occurs here than in other fevers.

From what has been said therefore I must conclude Hydrophobia in every sense of the word to be a malignant state of fever requiring also the same remedies.

CURE. In entering on the cure of this disease, we are naturally led to inquire into 1 such medicines as will prevent the disease. 2^d such as will cure it. - 3^d to prevent the disease the virus if possible should be destroyed 1st by cutting out the part bitten if it possibly can be done two or three hours after the bite. Doct. Wistar I am told prevented the disease by this means. 2^d by washing the part well with some liquor. 3^d by keeping the wound open and running for some months. Doct. Wistar says he prevented two cases

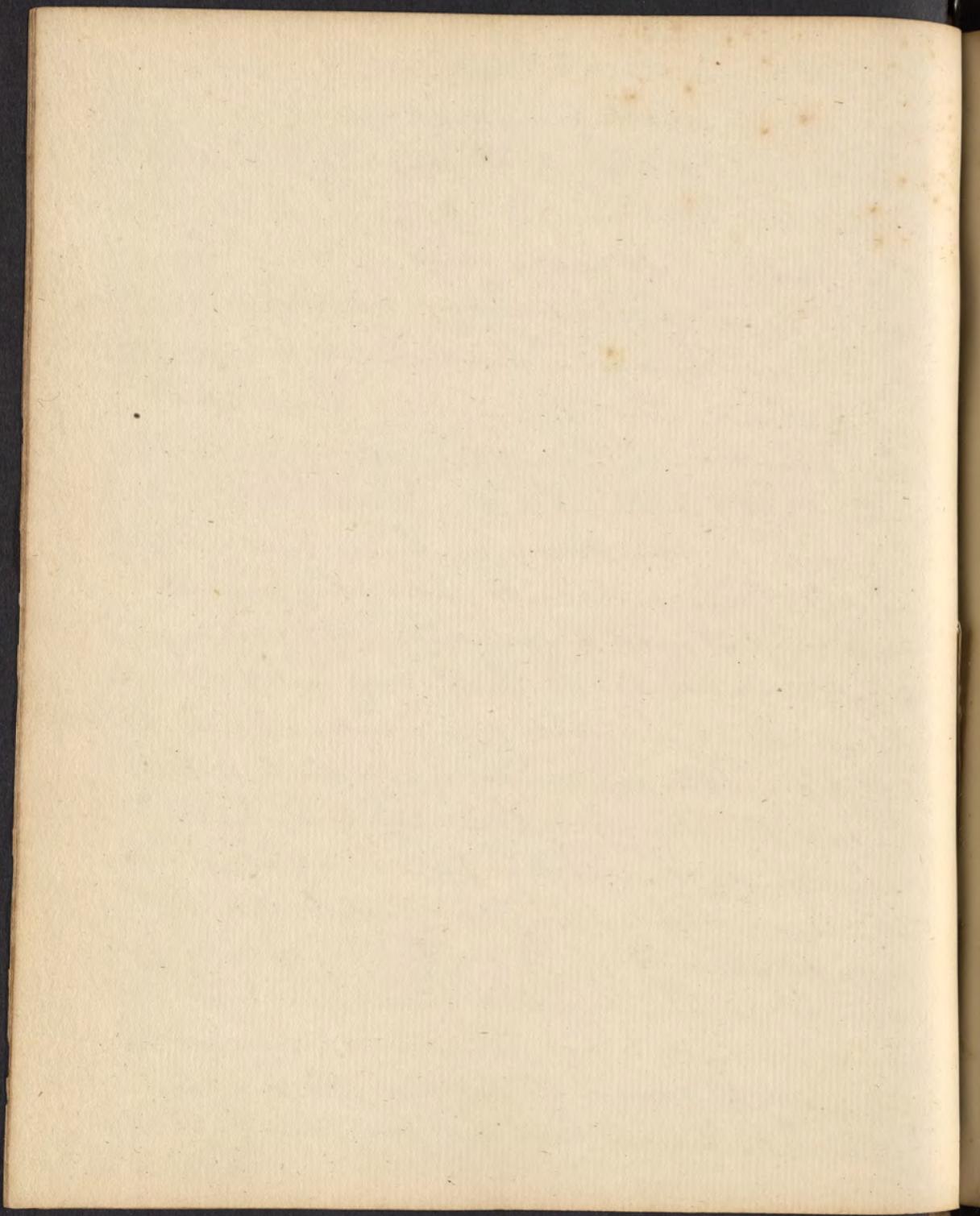
cases by this means. 4th Low air as recommended in other fevers. It is like the willow shrub, bends beneath the action of its cure. I shall however take no notice of the long list of preventatives. They have I believe seldom done any service. The period it commences is from 15 days to 11 months after the bite. 40 days is I believe the general period. — The alarm from fear has been prevented by exciting anger. — I am satisfied this alarm cannot be communicated without the miasma being instilled into the wound, or applied to parts where the skin is very thin as the lips. The Blood cannot communicate it. The milk taken from cows labouring under this disease has in several remarkable instances failed of communicating it. — While giving these preventatives we should not neglect to inspire the patient with hope and to cheer the mind by assuring him of a certain prevention. —

2 Remedies necessary after the disease has formed, are 1st Bloodletting. Every thing conspires to prove its utility. From 100 to 200 ounces will be necessary in most cases. The friends of a Girl who was labouring under madness were urging the necessity of carrying her to an Hospital. She attempted to run down stairs, but fell and divided the temporal artery, from which there issued an immense quantity of blood which caused a perfect recovery and she never afterwards had any symptoms of the disease. — There is a case recorded in the Philosophical transactions of London where the loss



loss of 160 Quins cured the patient. There is also a case related in the Edinb. Med. Essays. Vol. by Doct. Emes which yielded to bloodletting. When blood letting has not been used. it has in no instance been cured. — It has in every instance been mitigated by the lancet. Doct. Cox informed me that he had seen the disease much relieved by bloodletting in St. Thomas' Hospital, London, and had the remedy been persisted in he believed the patient would have been cured. — All the other remedies that are necessary to reduce morbid action are here to be attended to as in other Fevers, except cold water which in almost every form should be excluded. A Gentleman from England informed me he had cured a Dog of this disease by cutting off his tail, from which a copious discharge took place, & also another Dog was cured by cutting off his ears. You are not to be deterred from bleeding if your patient grows worse after it for several bleedings.

Bleeding. — After sufficient evacuations Tonics should be employed as Bark, Wine, Opium, nourishing acids & and perhaps the cold bath. You see now that Hydrophobia according to my principle is a fever and I have accordingly given it the name of the Hydrophobia state of Fever. Disease Gent, is as much an Unit as the Body &

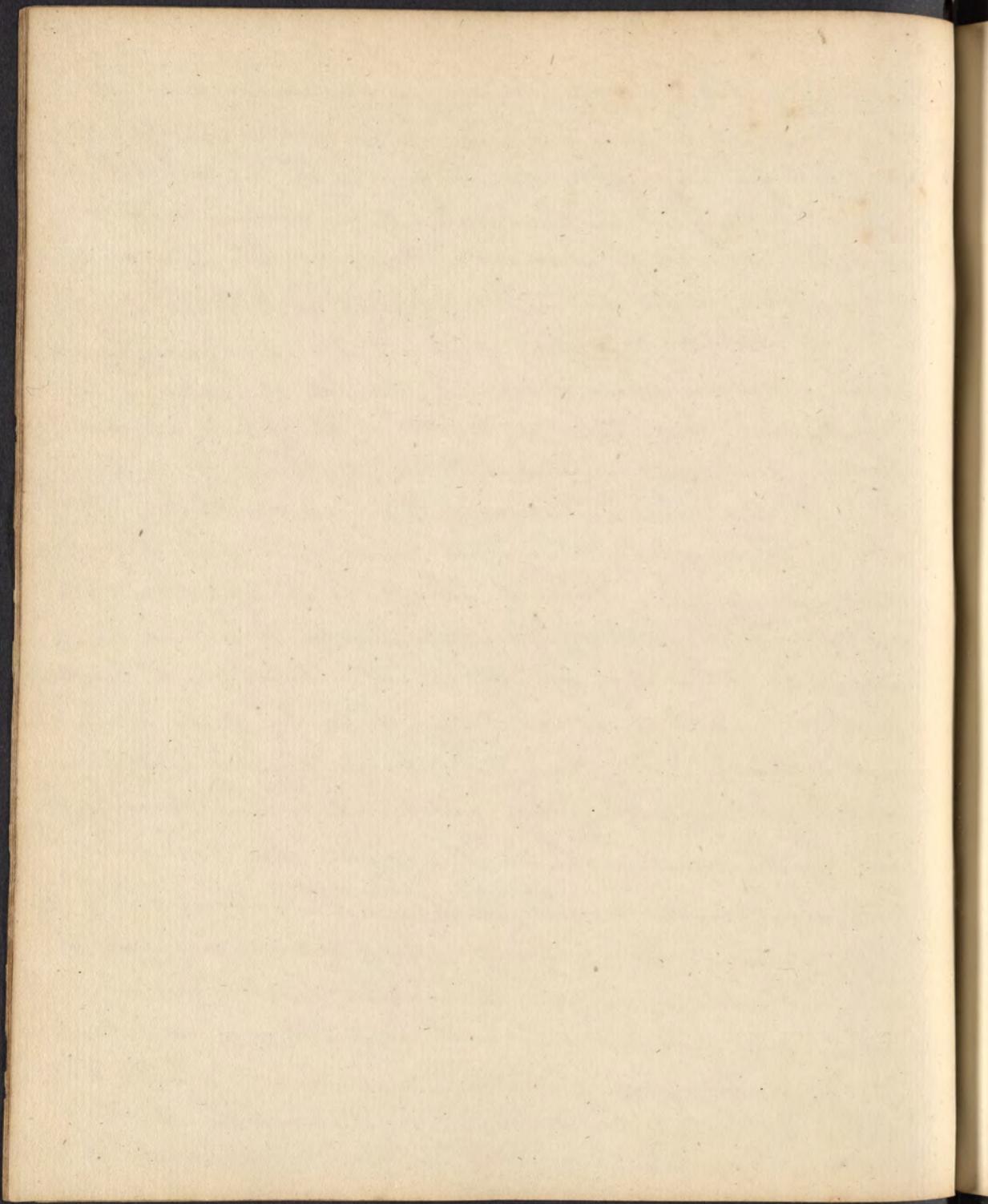


Body and mind of man. This disease when arising from other causes is to be treated according to the causes and effects, - remembering always to keep an eye to the pulse. I cannot leave this subject without earnestly recommending you to do homage to the Saints. "Venerate the plough said an ancient writer and I say "Venerate the Saints.

4 Gangrenous state of Fever. I call it gangrenous because it is the effect of violent Stimuli operating upon the system. Vide Tom. 4. - Cure of this I have already treated. Remedies are Bark, Wine and Opium &c to be effectual, they should be given in large doses both by the mouth and in Glycerines. In this state medicines often have no effect internally. - Stimuli should be externally used externally. - The flour of mustard and caustic deserve particular attention. There is frequently an insensibility on the surface of the skin and the excitability is particularly determined to the Stomach and Bowels. Death begins to appear on the surface of the Body and travels to the internal parts and thereby dissolves the whole system. In these cases the most powerfull ^{should be applied quickly} stimuli, rubbing the body with mustard, Arsenic and applying boiling water, a hot iron, or even hot coals of fire should be used. In using them (Gent.) I hope you will not meet with such obloquy as I have -

5 Synochia state of Fever, Gallants with chills and pains in the head, bones, side &c includes Pleuris &c All the remedies formerly laid down will apply here. -

6. B. Billius



6th Bilious state of Fever. It is produced by the action of marsh miasma which acts particularly on the bilious system. I refer you (Gent.) to my publications. All the bilious fevers from the mildest intermittent to the most malignant state of Yellow Fever is produced from one and the same cause. The contagious nature of bilious fever is by no means confined to the yellow fever for under certain circumstances the common intermittent fever will be rendered contagious. That all the different states of bilious fevers are contagious, I infer not only from my own observation and that of a number of Physicians through the United States, but from the authority of Drs. Egglehorn, Clarke, Brainard &c —

I can conceive that certain circumstances would render a pluny contagious, I don't say it would produce a pluny but it would excite a fever. The bilious Yellow Fever is by no means an imported disease; to assert that it is as the College of Physicians of Philadelphia did, is not only absurd and ridiculous but is highly dangerous. It prevailed in every part of the Union from Boston to Savanna. I frequently blush (Gent.) to think I am a Philadelphian. The remote causes of the bilious Yellow Fever act upon every part of the system, but have a particular delirium to the Stomach and Liver. It affects the liver 1st by increase in secretion, 2^d by producing a morbid action in secretion. 3^d by destroying secretion all together. — The yellowness

yellowness in the skin in the first grade of this fever is frequently owing to an absorption of the bile sometimes to a new aggregation of the Blood. it is however a fugitive symptom appearing and disappearing frequently with the paroxysms. The worst cases come on without pain or chilly fit. For the black vomiting Doct. Wright considers cayenne pepper &c. in rolled up in a piece of bread as a certain remedy. Tis a most distressing symptom tis a morbid discharge and sloughing of the coats of the stomach after the death of that Organ and when it takes place I believe the patient never recovers. Wine and other Stimulants may be proper.

7th Typhoid state of Fever. I have treated fully of the cause when treating of the cure of fevers in general. Tis known by symptoms of derived debility, a weak low pulse &c. It often succeeds the yellow fever and always the plague.

Remember that a synoeca state of fever will often take place in the ^{acutest} stage of this fever, attend to it (Gout) and bleed your patients. (See Tom. 4) It has been called improperly a nervous Fever. I have adopted the low state of fever from Dr. Butter.

8 Typhoidal state of fever. It is composed of Synoeca and Typhus. Tis the slow state of fever of Doct. Butter. It occurs in certain states of Purpural fever &c. It may be prevented by evacuations.

9 Synochial state of Fever. (See N^o 10) It differs from other fevers in an irregularity of Paroxysms. It occurs in Gout consumption &c. tis hard to cure. The remedies must be var

47

vary according to the state of the pulse. *Vid. Vol. 4.*

10. ~~Health~~ State of Fever / vid. N. 9 / Pulse small, tense, quick &c occurs in Rheumatism &c. Remedies are as certain as in Sycocha. Bleeding moderately and frequently, purging Nitre, Antimony &c will certainly answer.

11. Inward Fever, accompanied with, dry tongue, warm hand, quick pulse &c. 'Tis the *febricula* of Authors. Patients labouring under it are not so bad but they can transact their ordinary business. A greater degree of stimulus would excite an intermission. still greater a remittent. Remedies are Emetics, Bark, and in some instances Blisters. *Vid. Vol. 4. N.*

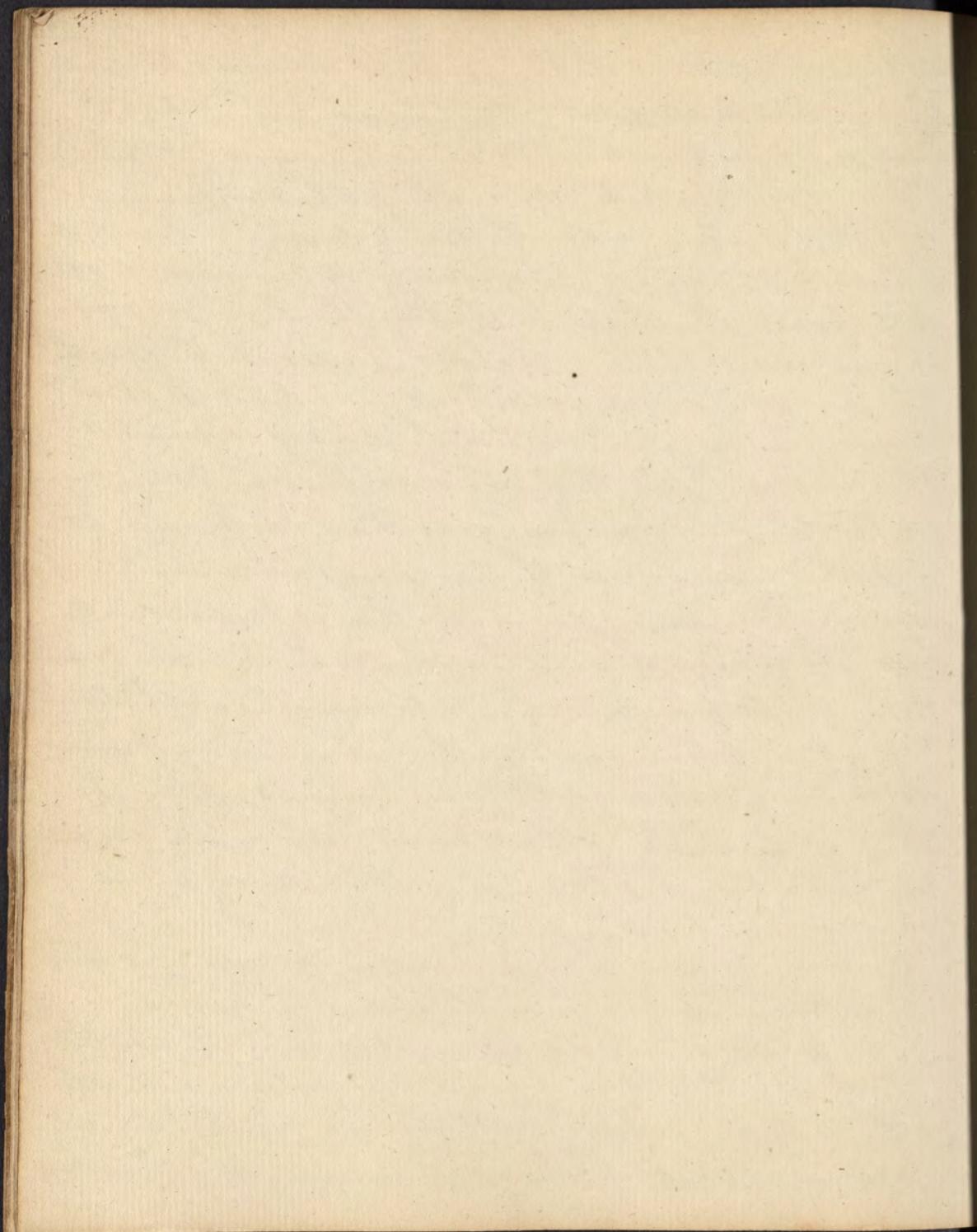
12. Intermittent state of Fever, they attack with a chilly fit and appear in the form of a Feuotician, tertian or Quartan. When no chill appears 'tis called the damp Ague. They are but one disease. Marsh Miasmata most frequently produce it. For the reasons of the occurrence of the paroxysms see pathology. I have ascribed it to an association of Ideas and motions.

To moderate the paroxysms - There is always great debility in the Stomach, heat of a bed should be recommended, warm drincks as punch & Laidamur I have found of essential service. Intermittent fevers appear sometimes in the form of delirious, Coma, Apoply, Convulsions, Cholera morbus, Headache - Odontalgia - Otolgia &c All these are to be removed by the remedies recommended in the common Intersubmittent.

10 p.m.

To prevent a return of the paroxysms by removing the ability there are first palliatives. As 1 Laudanum, 2 Stramonium or tobacco leaves wound round the wrists, 3 Tonics, Poplar or willow bark, Allum &c. 4 Spicers juice or web. 5 Sweating before the fire. 6 Riding on horseback. 7 Terror. 8 Cold bath. 9 Lightning. 10 Fourneaux applied round the thighs. It shortens the thighs and increases circulation. Second Radical T. Bark. This is composed of an astringent and a bitter. It should be given in large doses when the ability is greatest. That is just before the paroxysms; Half an Ounce given at this time will do more good than two Ounces at any other time. After the paroxysms are removed you should continue it now and then at particular periods. The changes of the moon should be attended to. — When the bark fails it should be combined with Cloves, Wine &c. Arsenic and Zinc have been used. Mercury so far as to produce salivation was first used by Doct. Bond of this City. — I have had no occasion for a substitute for the bark since I bled more. — When the bark fails it must be owing to the injudicious manner of using it. — It is either given in too large or too small doses or at improper times. Keep in view the state of the system. —

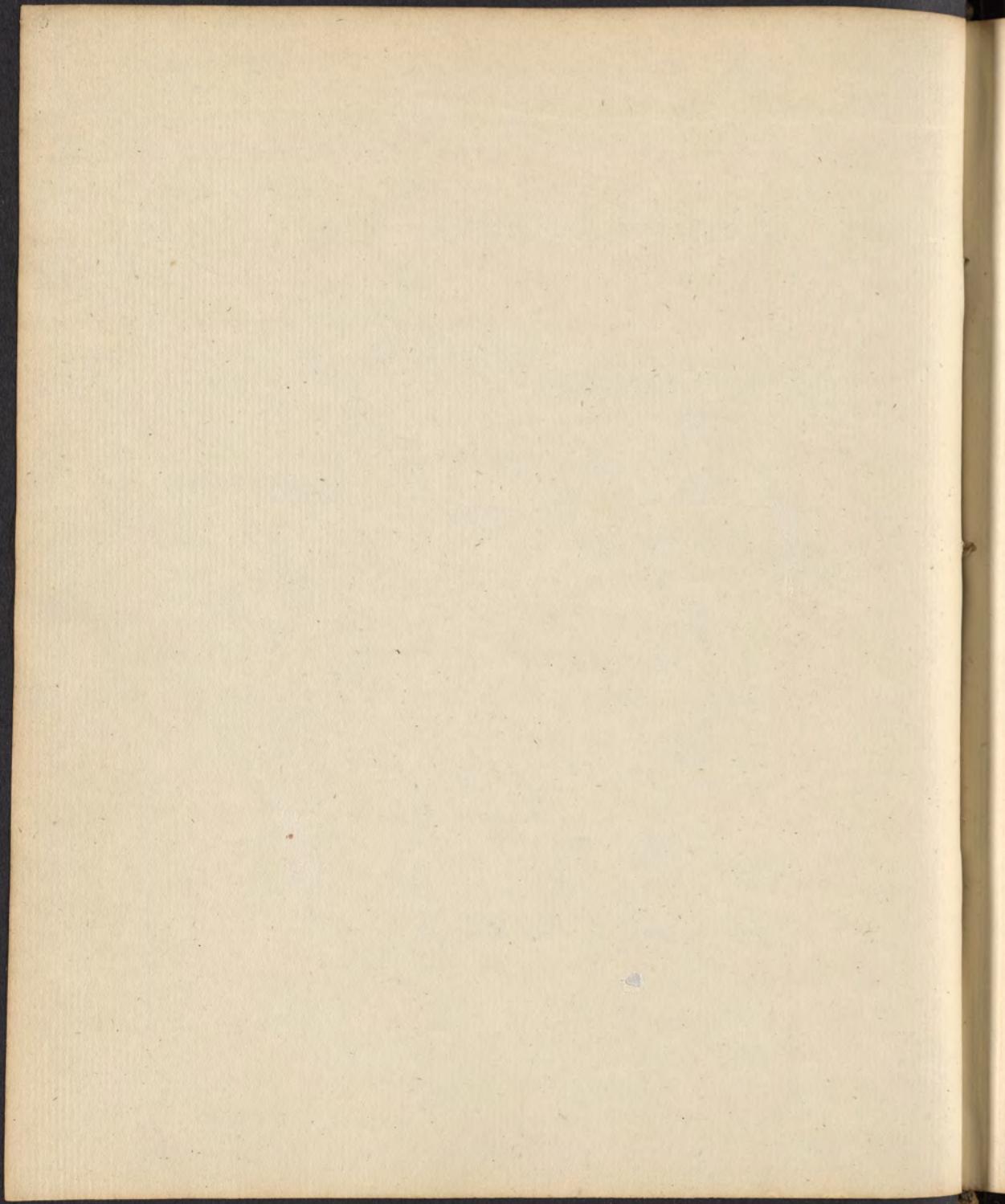
Are emetics or purges necessary to precede the use of the Bark? When there is a foul Stomach one or the other should be used. A purge of Calomel & Galap I believe will answer all the ends of an Emetic. When the system



is lost, Bark may be administered without the previous use of an emetic or cathartick. Dr. Claypole of N. Car.olina informed me, he has seen the intermitting fever alternate with Gonorrhœa. Obstructions are frequently the consequences of intermitents. Calomel in small doses will remove them, purging is improper on account of the debility which is generally present. — An intermitting fever was occasioned by a decayed tooth, which continued a great length of time until the tooth was extracted. The common dose of Bark is $3\frac{1}{2}$ every two hours during the intermission.

13 Sweating state of Fever. This occurs in Plague, Mania, Small pox &c. The celebrated sweating sickness of England was nothing more than a symptom of Plague. Sweats in all fevers are the effects of morbid action, conuntrated in the capillary vessels. The CURE must be attempted by Bloodletting. I have frequently met with it in the Yellow fever, and as frequently removed it by the Lancet. A full, tense, and chorded pulse attends. The patients and their friends and Parents will object to your bleeding for this reason, they think the sweating critical, but it is entirely different from the common sweat in fever, as this sweating state occurs in the beginning of fever.

14 Fainting state of Fever. Occurs in the Yellow fever &c. Bleeding will remove it. The fainting is by no means an objection to it here, so different from it that it destroys the disposition to faint. —



15 Burning state of fever. This is either general or partial. I have most frequently observed it to be partial. The blood in this state partakes of a general warmth. —

Cure bloodletting seldom fails in reducing this heat as it does not always appear to depend on action in the arterial system.

16 Cold and Chilly state of Fever. This is partial or general. It occurs frequently in the Hydrocephalic state of Fever. In Yellow fever I have seen it remain five or six days while there was the most violent action in the system —

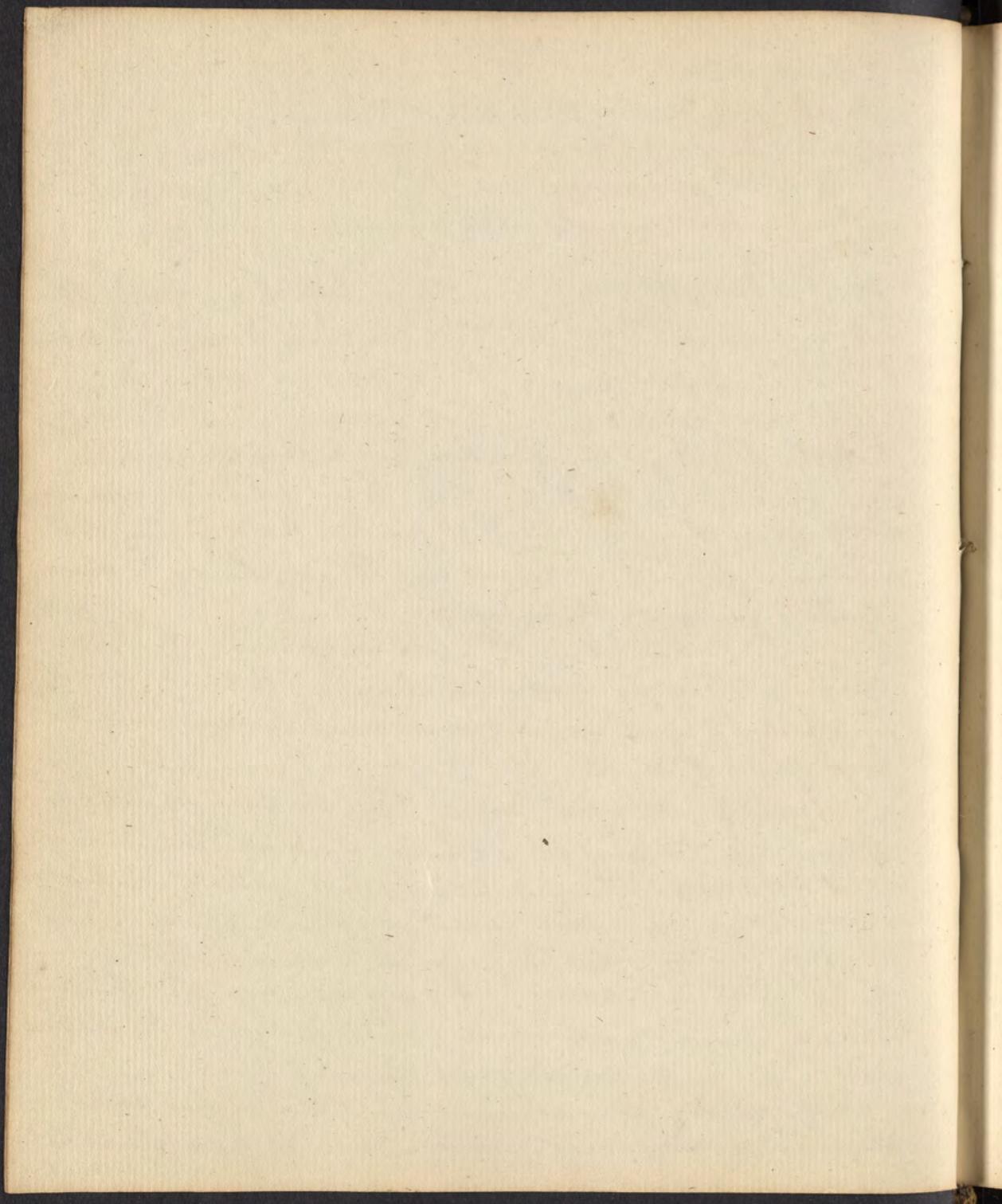
CURE. It yields to the warm bath, and to bloodletting. It has been common to forbid the use of the Sanus here, on account of the coldness being a symptom of debility, but it is owing to a violently depraved state of the system. Blood should be drawn frequently and in small quantities.

Those which affect the Arterial system with local affections. These local affections are owing to local debility being increased with increased excitability by an increased irregular action.

Intestinal state of Fever. These include 1 Cholera, 2 Dysentery, 3 Diarrhoea. 4 Cholli. They are the *Scabies intravaga*.

1 Cholera. I have suspected it to be a fever of the highest grade of the bilious state, turned in upon the bowels and carried off by nature while Diarrhoea is a common bilious fever thrown upon the intestines. It is not necessary that Cholera should be attended with vomiting and purging, for I have seen more violent cases attended with purging alone. —

CURE. Cholera seldom requires more than a few drops of Siquid Sanguinum. I have seen several cases however which

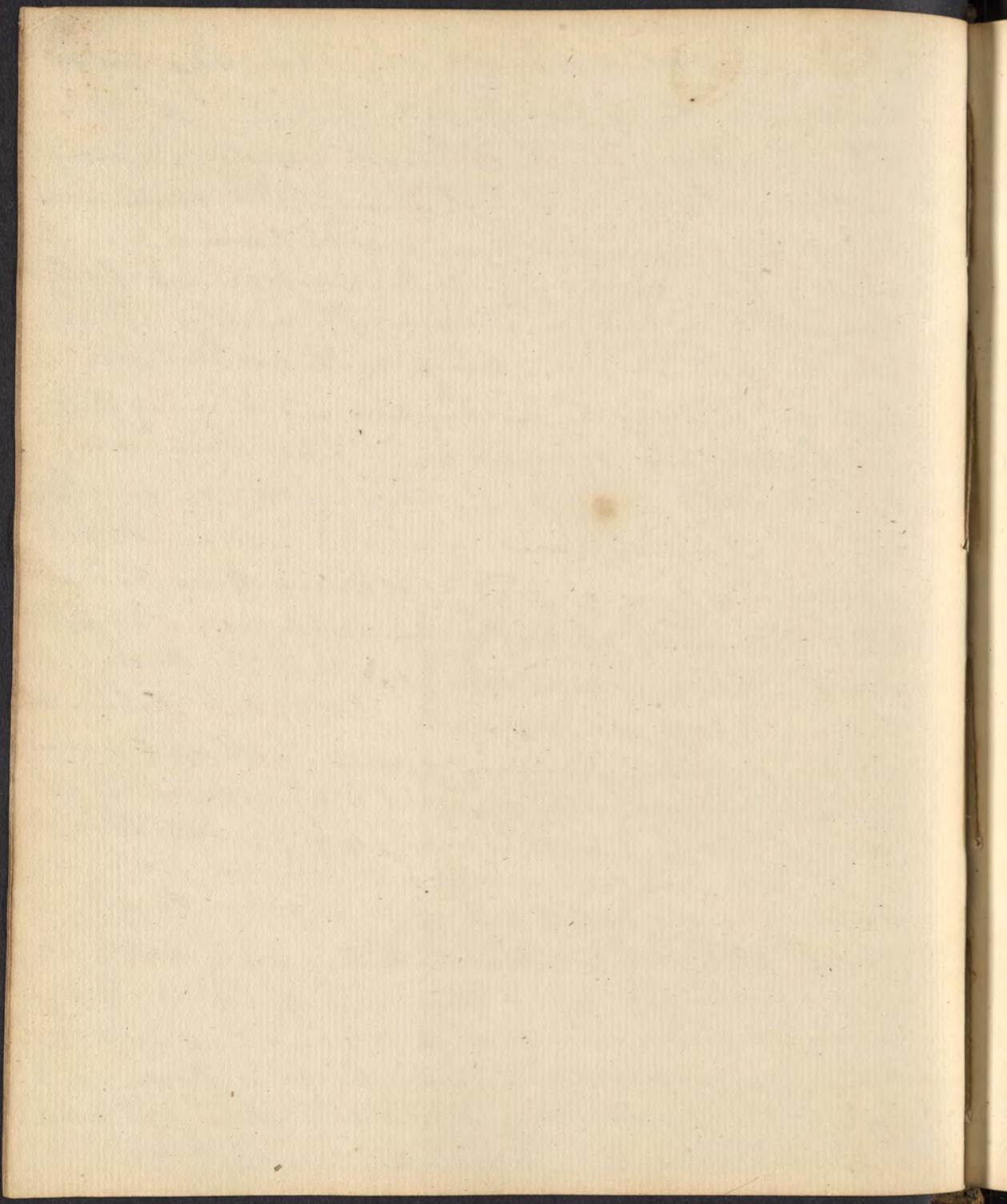


which required Bloodletting and when I have bled two or three times with the best effects -

2. Dysentery. It is the offspring of mismanagement or contagion. It occurs most frequently in high situations. It is remarkable that an intermission will prevail at the bottom or side of a hill while a dysentery will prevail at the top. both evidently owing to the same cause. The dysentery prevails upon the high situations because of the cool temperature of the air, checking the perspiration and throwing it ~~in~~ upon the intestines. It occurs in the fruit season owing to the low rapid diet of fruit inducing debility on the Bowels and thereby exciting morbid action. Moderate quantities of fruit are good as it carries off an offensive bile. This disease affects country people more than Citizens and Children more than Adults. The dysentery has gone off with salivation also with violent ophthalmia and Rheumatism. It always commences with morbid action a purge will effectually prevent it in those seasons and families when it prevails. This is certainly very important -

This mode of prevention is not confined to dysentery alone, the same is attended with happy effects in Yellow Fever &c -

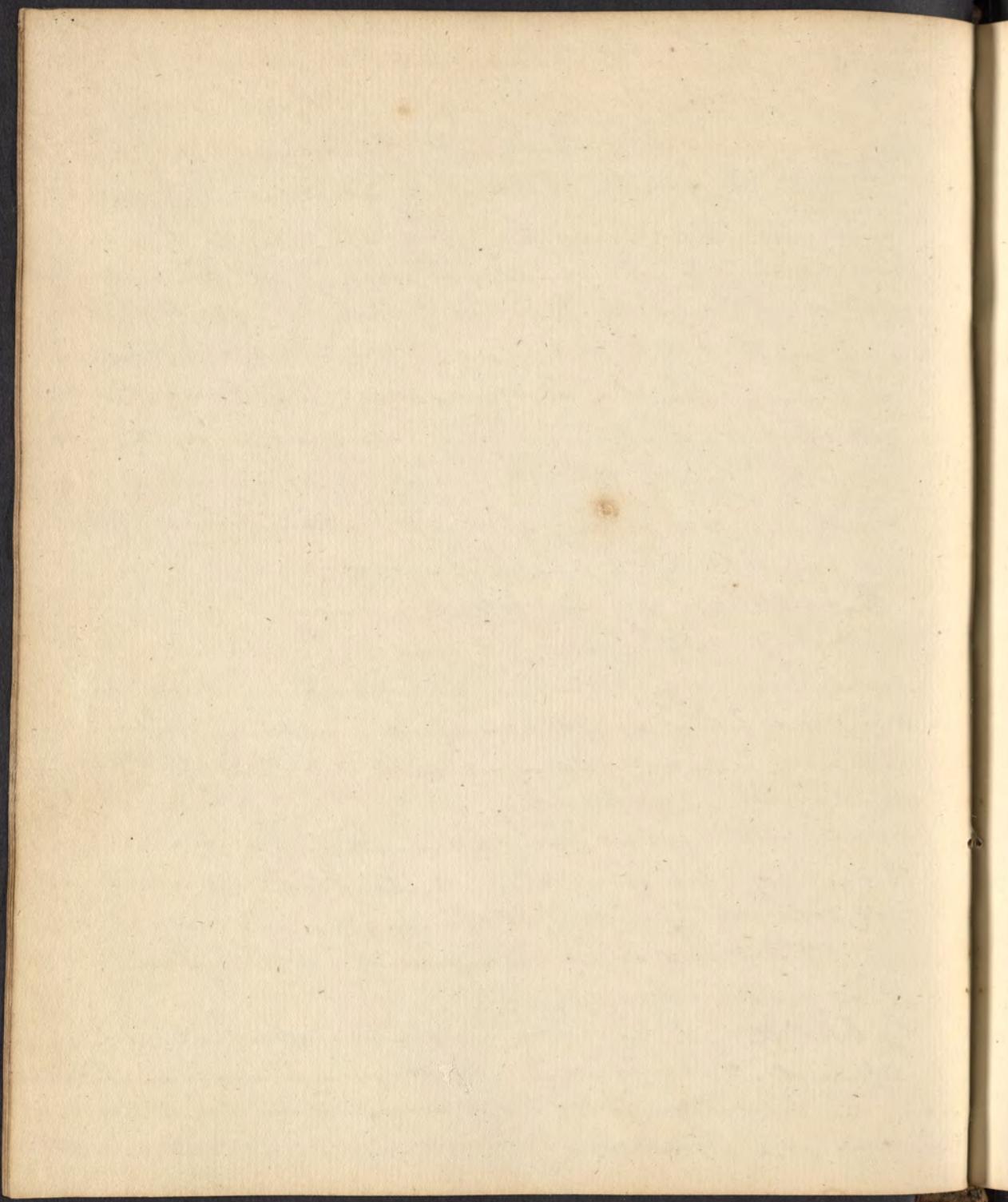
CURE. 1 Bloodletting when the pulse, pain & call for it - which is now more frequent than formerly, it is absolutely necessary. 2. Vomits when sickness at stomach abounds. 3 Purges are certainly necessary. Castor or Sarsaparilla Oil, manna &c are of a soothing lenient kind, others of a more powerful nature may sometimes be required -



4 Lime juice with common salt was strongly recommended by Doct. Wright of Jamaica - 5 Glycerins of Flaxseed Tea, Rice jelly &c. a few drops of Laudanum will frequently be very serviceable. 6 Diluting and demulcent drinks, these are absolutely necessary, They soothe the intestines from acrimony and supply the plan of the mucus which is abstracted from the Bowels - 7 Opiates, will then often be required. 8 Blisters, there is a remarkable connection between the skin and intestines. Blistering has very good effect, it sets up a new action which is stronger than the one in the Bowels. 9 Bark, in an advanced period of this disease and particularly if there be intermissions Bark is a valuable and a powerful medicine -

3 Diarrhoea, very often follows dysentery, 1 Glycerin to 1st Gentle purges of Rhubarb. 2 Vomits of Ipecacuanha. 3rd Blood letting moderately in Plasteris habet. 4 Demulcent weaks 5 Glycerins, both of an astringent and demulcent nature, the following is a valuable injection for diarrhoea R. P. Ipecac 3p. Laud. liqued Sopra fons 7 Blisters to the arms, ankles &c. repeat them. 8 Salivation has succeeded in many cases when every thing else has failed. 9 warm and cold baths are powerful 10 change of air and water. 11 exercise. 12 Diet and drink accommodated to the system, 13 loaf sugar mixed in brandy. -

4 Cholick. - 1st The causes are such as affect the intestines primarily. 2nd it is produced by diseases in contiguous parts as the Liver, Kidneys, &c. 3rd it is a disease of the whole system - When it is a symptom of general disease it is to be treated ^{sec.}

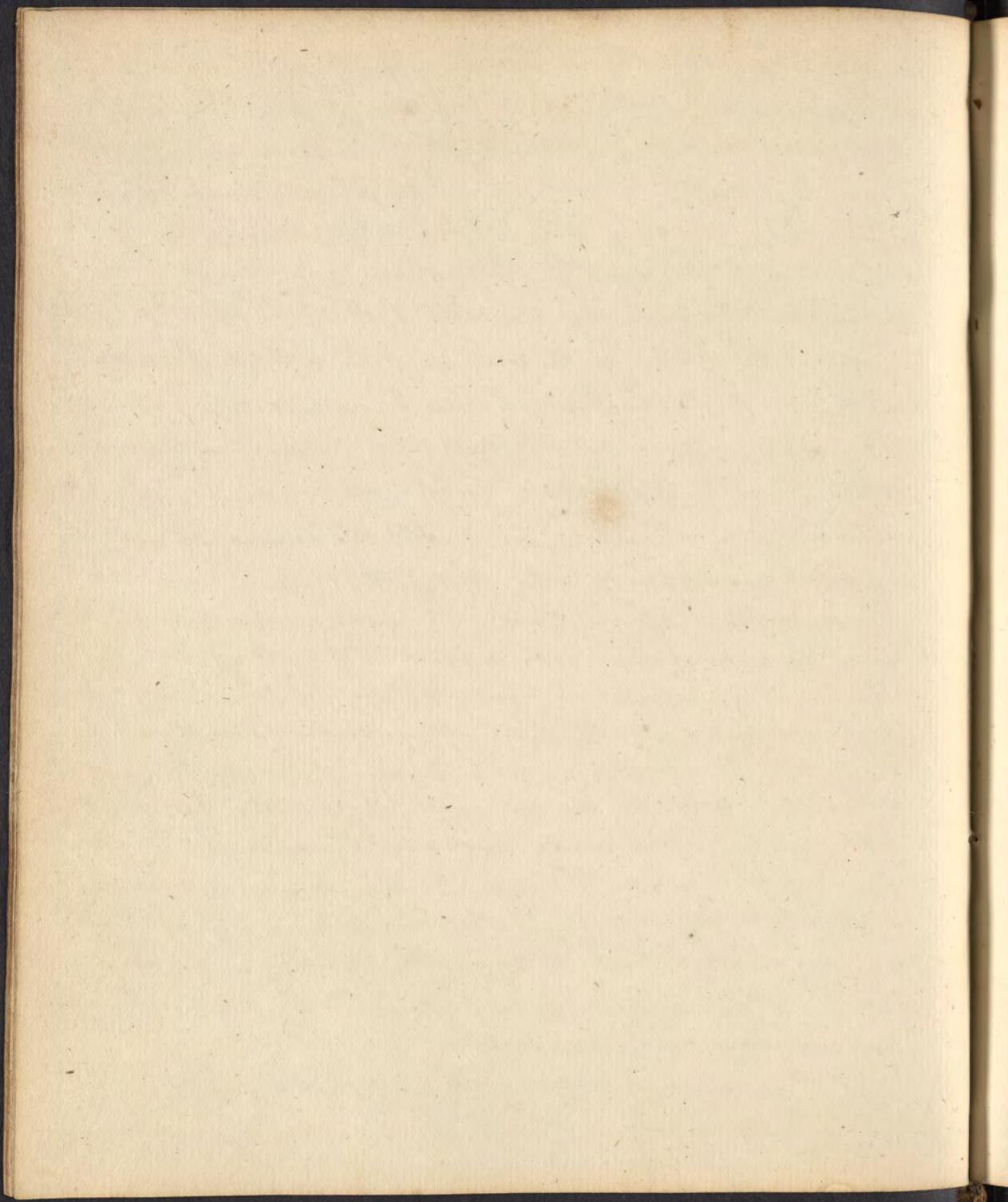


accordingly as by 1^o Blood-letting. 2 Purges. 3^o emollient and astringent injections. 4 Blisters. 5 Salivation. 6 Warm bath after depletion is excellent. 7 Opiates after inflammation is subdued, as debility is the predisposing cause of Cholix. This debility may be prevented or removed by stimuli suited to the state of the system. An attack of the disease will be effectually prevented 1 when the smallest notion is given of the return of the disease give a little Laudanum from $\times 10$ to $\times 15$ gr. 2 The Diet should be calculated to give tone to the system in general and intestines in particular, it should always be solid. 3 Blisters, Chalibicæ medicines should be administered in the intervals. 4 All the causes should be avoided, particularly cold, wet feet. —

PNEUMONIC State of Fever, Pneumonia never occurs without fever. 'Tis nothing more than a symptom of an original fever. The Lungs are affected only in consequence of their being a portion of the surface of the body. It indicates an inflammation of the Lungs and Pleura, it is produced by an abstraction of heat and cold, by the contagion of Measles, Small-Pox, Influenza &c. Measles will also produce it. 'Tis sometimes a symptom of gout. 'Tis induced sometimes and injuries in the Lungs. A decayed Tooth according to Doct. Fabre has produced it. Debility is the involving or predisposing cause. Pneumonia is distinguished by particular names from certain circumstances.

I Pneumonia vera, with a synoeca Fever.

II Pneumonia nosta, It occurs in the southern



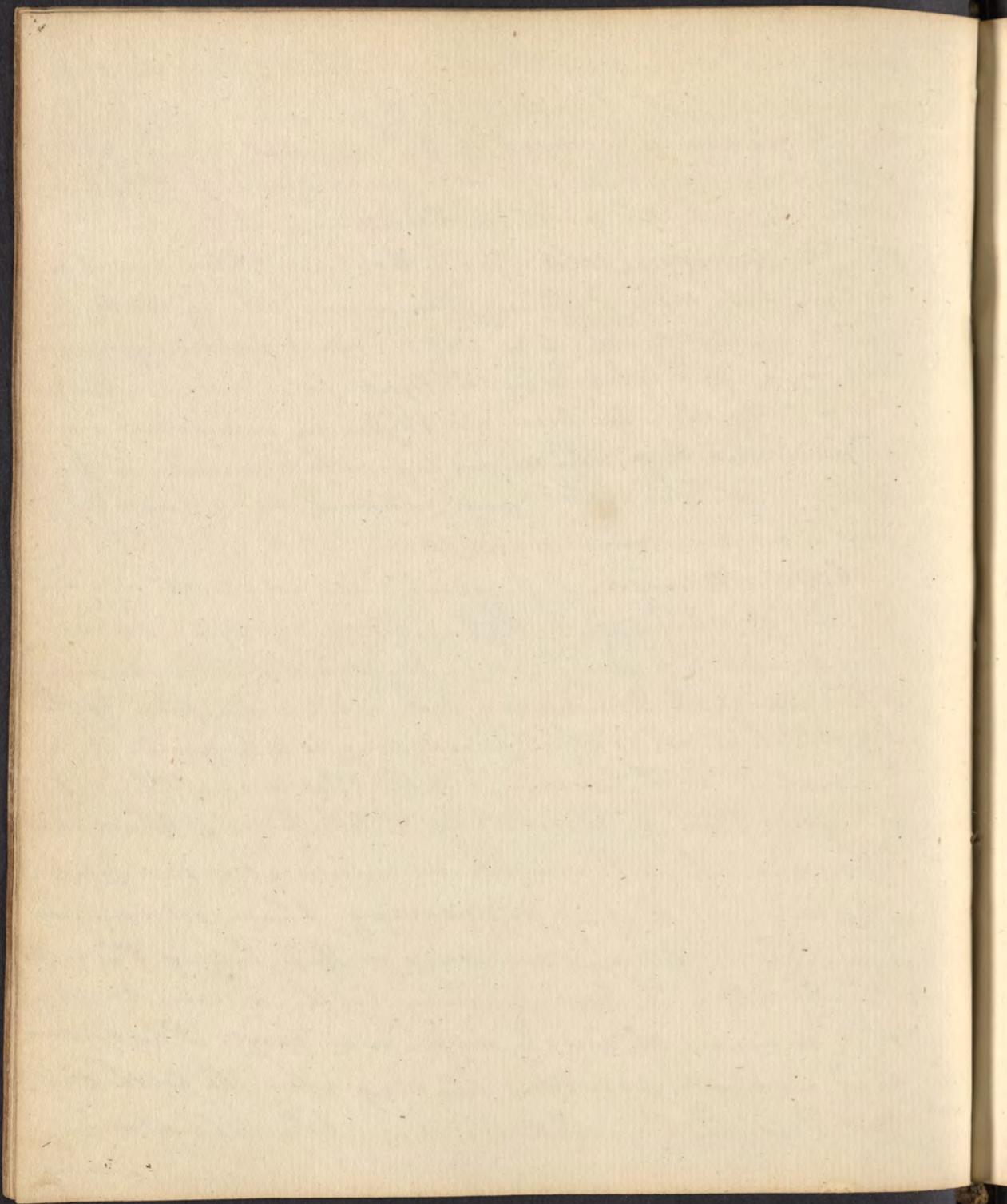
States. Pulse is small and soft - 'tis what I have called an apoplexy of the Lungs. —

III Pneumonia Typhoides. This is what I have called the anginose State, The symptoms are frequently Petechia It prevails in the northern Climates. —

IV Pneumonocella. 'Tis a Consumption, but it is nothing more than a chronic Pneumony. The symptoms are Tubercles &c. which are all the effect of a general disease. It is important to take it in this light, for if taken in time it is as fully under the power of a Physician as any other disease. —

I Pneumonia vera, This disease frequently terminates in effusion of the Lungs, when this takes place in a great degree it ends in what is called galloping consumption.

CURE. I Bloodletting, prejudice, will not operate against you here Gent; as pain in the breast or sides attends. I have always failed to hear my patients complain of pain in this disease. It has never failed to ensure me of its entire subversion to the lancet. The length to which Bloodletting is to be carried is to be determined by the judgement of the Physician. There is a Bilious Pleurisy described by Dr. Chalmers of Charleston S. Carolina, which he was almost universally successful in treating with purging and sweating. I have seldom seen more than one bleeding necessary in this bilious Pleurisy. The LANCET is the best instrument in this disease, it never fails to render the cough much more easy. Physicians have in common forbidden bleeding after the fifth day. 'Tis altogether a mistaken notion, I have bled my Patients

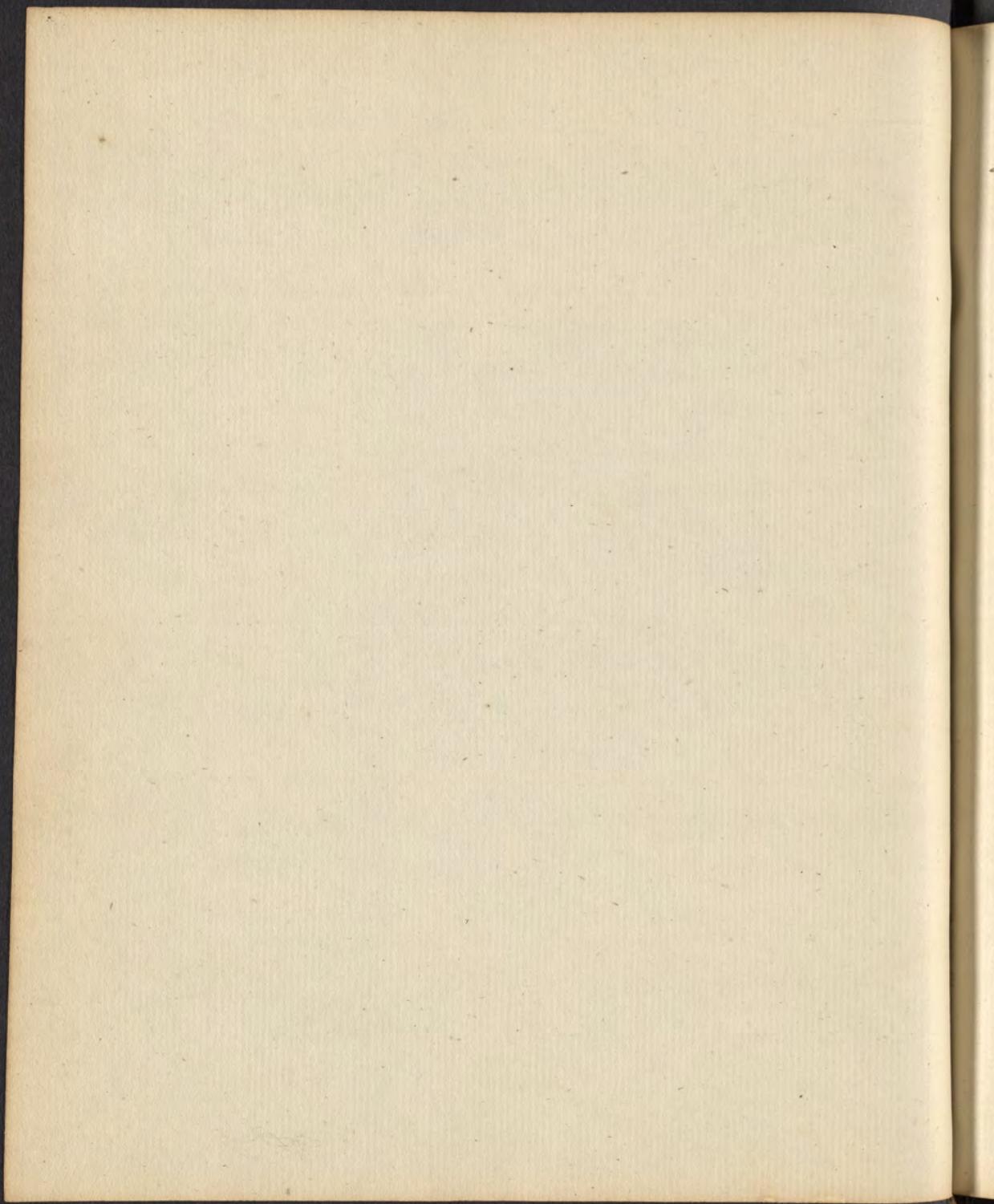


Patients on the 5th, 6th, 7th and even the 8th day and thereby saved their lives. Unhappily for mankind a contrariety of Opinions exists as to the quantity to be drawn. The pulse in Pneumonia Vera will direct us. — It sometimes suddenly paps off and is translated with the Sangu. Bleed on. —

I lately attended a patient labouring under Pneumonia vera, I bled him several times, and he became maniacal suddenly from a translation of the excitement to the Brain, I bled him again and he became Apoplectic, I bled him again which was the twelfth time, his apoplexy left him and all the symptoms of his Pleurisy returned. He perfectly recovered in a short time producing all the symptoms of Rheumatism. —

2 Purges, as Oil, Calomel, &c.

3 Glycerins. If bilious symptoms attend, the Bowels should be opened several times per day. 4 Neutral Salts, as Nitre from X to $\text{XX gr.$ should be given every two, three, or four hours. — 5 Seneka, this is a valuable medicine, it seems to produce sweating without stimulating but very little. I have called it a vegetable Antimony. 6 Blisters they should be applied to some part of the breast after 8.8. 7 Demulcent drinks as Barley water, Flaxseed tea, Bran tea which is made by boiling the bran and sweetning the decoction &c. 8 Vapours of Boiling water when there is oppression or difficult respiration. Volatile Alkali q. s. if necessary answers the purpose. — 9 Oil this is a good demulcent lubricating medicine in Peripneumony. —



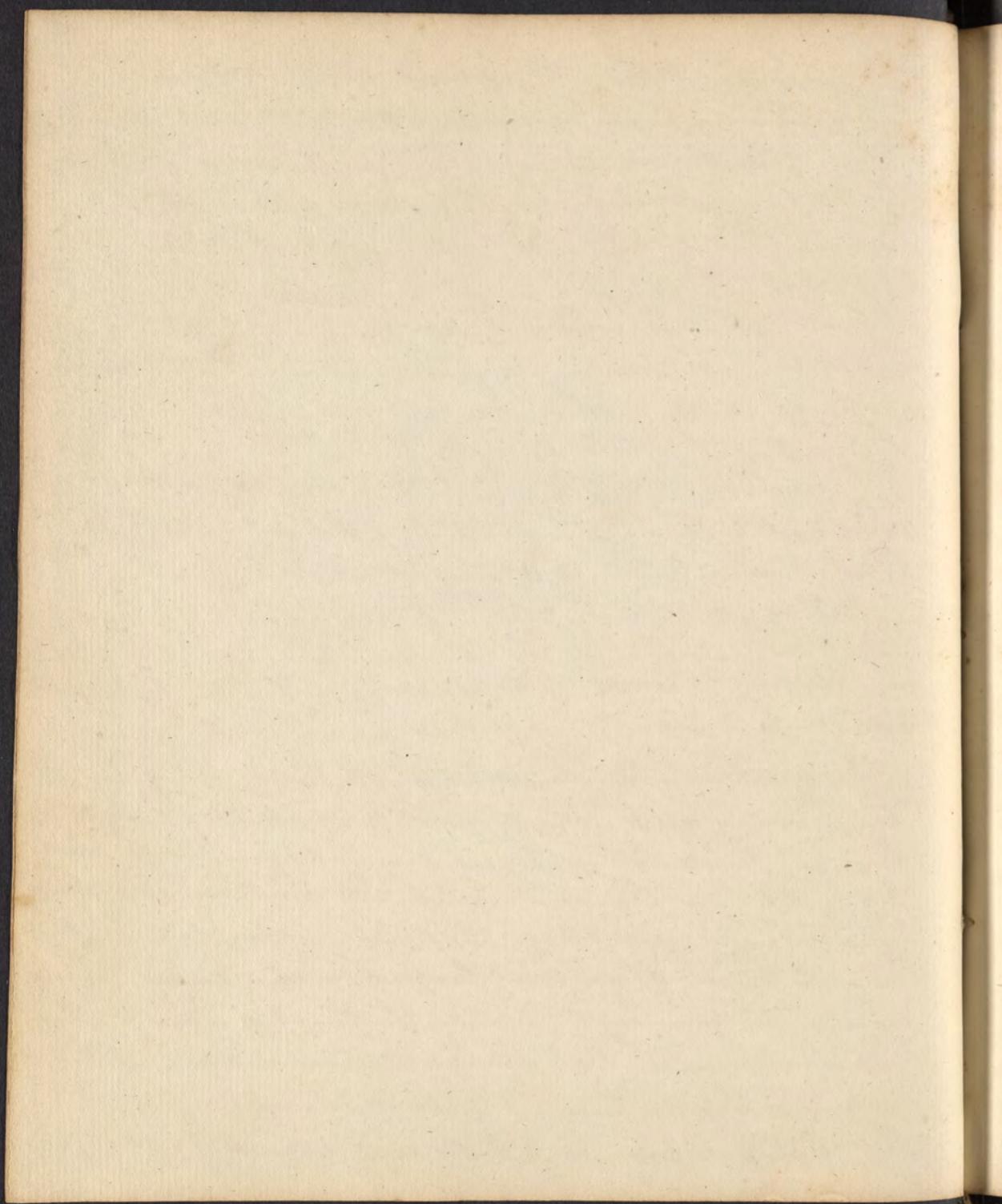
2 Pneumonia nottha. This appears chiefly in debilitated habits. It depends upon a sudden effusion of Blood into the Lungs; there is sometimes a little inflammation in the lungs. There is seldom a chilly fit, there is no heat on the skin. Pulse is nearly natural, rather softer than usual. —
 Cure. 1 Bloodletting, it must be used copiously and at one time. There is no other remedy and Death without it is as sudden and as certain as from a Cannon ball. The cure is as sudden as the attack. You are directed to bleed from the distressing dyspnoea & that at once.

2 Vomits. 3 Blisters to the breast arms and legs. 4 Volatile Alkali is here very useful. 5 Hot vapour is highly proper, it must be used. 6 Opium after Bleeding. —

3 Pneumonia Typhoides or malignant Pneumony. It runs its course so suddenly as seldom to require more than one bleeding. Cure. 1 Bloodletting, when the pulse will admit. — 2 Bark and wine should now be given. —

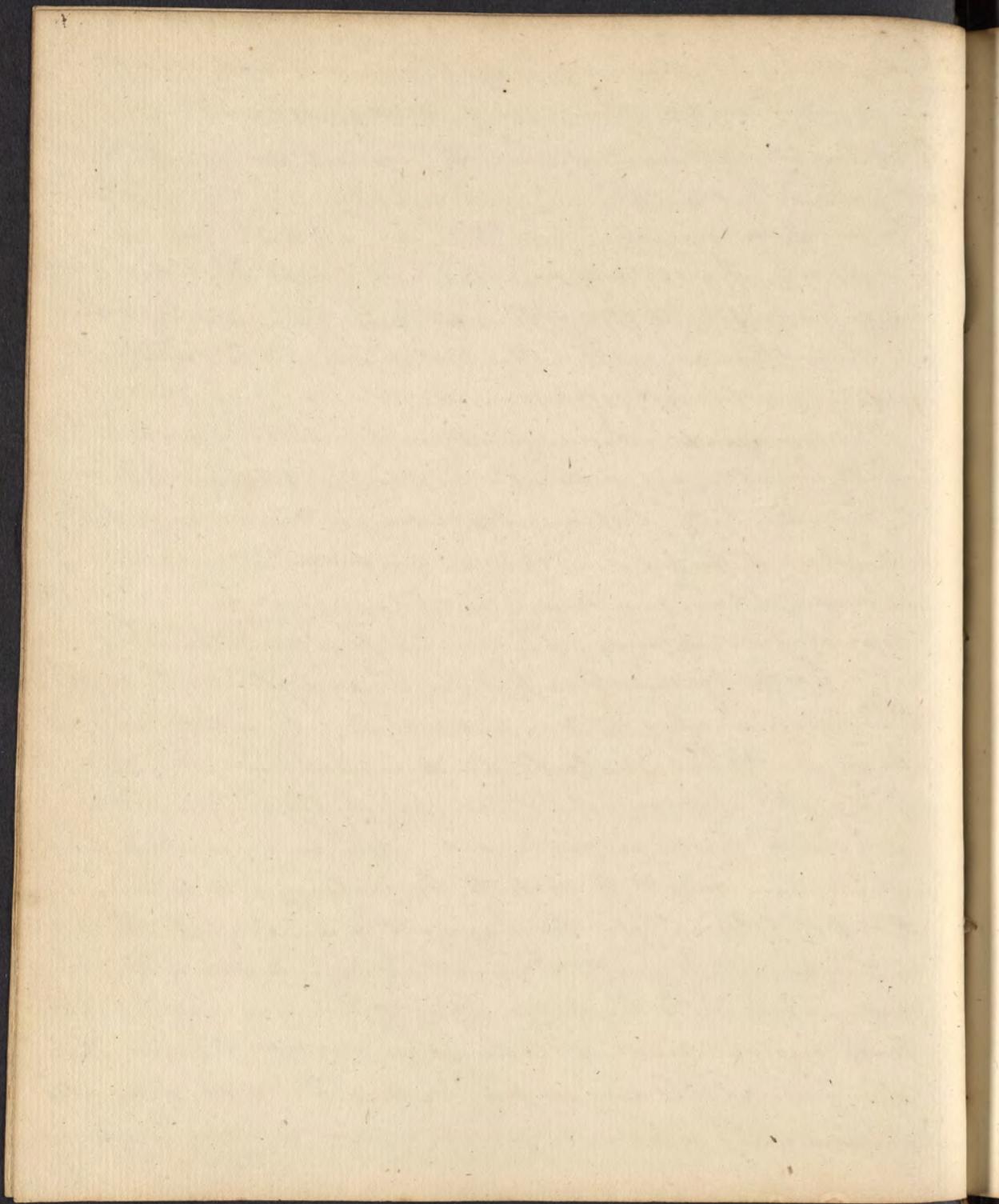
4 Pneumonicula or Consumption. 'Tis most frequently a Pneumonia vera. It certainly yields to small and frequent bleedings. I will without saying more refer you to my Med. Inquir. Vol. 2. — Pneumonia like all other diseases depends upon predisposing debility. The forming state of Consumption may be known by unusual languor, warm hands, rheumy eyes in the morning, Pain in the breast or sides & they universally occur. I speak here of a consumption without a disease having preceded it as Phthisy &c. —

CURE. 1 Exercise. 2 Cold bath. 3 Bark and Steel.



4 Salted meats, these contain less Oxygen and make less blood
consequently are less stimulating. 5 Mercury may be necessary.
6 Bloodletting may sometimes be required tho' rarely. 7 All
the causes that induce indisposition should be avoided.—
Consumption sometimes comes on after neglected Pneumony
or Catarrh. I will only add that in the Typhus state I have
lately prescribed the cold bath with very great advantage.
In the inflammatory stage bloodletting should be employed
frequently, in small quantities and for a length of time.—

The consequences of consumption are 1. Hemoptysis, which
I shall hereafter take notice of. 2. Abscesses. 3 Ulcers. 4 Tubercolis
The remedies for the last are bloodletting or Tonics according
to the state of the pulse and by treating patients in this manner I
am certain, I have seen cases, where Tubercolis even formed were cured
I have in one instance seen them spitten up — The lungs
are a hardy viscera. Death must be strongly armed or the
Physician weakly so, if a patient die surely from such
affections. What would be the effect of Mercury in the Ty-
phus state? I know not; I have frequently tried to salivate
my patients but never could do it. Also in the inflammatory
kind Mercury might be usefull by inviting a new disease.—
Abscesses, Ulcers, Tubercolis, have all been said to be the cause
of this disease. It would be equally as wise to attribute the
Yellow Fever to the black vomiting. Wounds, or injuries done
to the very substance of the lungs do not kill, because there
is no general debility in these cases — Catarrh may also
be considered a pulmonary state of fever, you are to examine
the



the Pulse and adopt your medicines accordingly, they are the same as directed above - *Angina Pectoris* may also be reckoned a pulmonary affection; it is sometimes a symptomatic affection as of *Gout* &c. Cure as before. —

3 *Anginose* state of Fever, this includes,

I *Cynanche tonsillaris*, from colds the Tonsils sometimes suppurate. Cure, 1 Bloodletting. 2 Purging. 3 Blisters.

4 Fumigations as the vapours of hot water. 3 low diet. —

II *Cynanche maligna*, 'Tis not as has been supposed highly *Pectorid* - it is on the contrary highly inflammatory. It is rapid in its progress as gangrenous symptoms appear on the 2^d. or 3^d. day. It may be compared to a soap bubble which soon bursts and destroys itself. All its symptoms concur to prove it an inflammatory disease. —

Cure, 1 Bloodletting. I have used the *Lancet* with great success before the gangrenous symptoms appeared, but after, I believe it would be dangerous to bleed. I would advise 2^d Bark, it acts by obviating the insinuus debility. It may be asked then why it does not overcome the Gangrenous state of Yellow Fever? The reason is, because the action of the Yellow Fever is more powerful and it falls on the more vital parts.

When the pulse will not bear bleeding 3 Vomits should be administered. 4 Mercury should by no means be objected. — *Angina Pharyngea*. In its forming, state Gargles of Spt. Wine and Water. after forming V.S. and Cathartics are Serviceable also Blisters. —

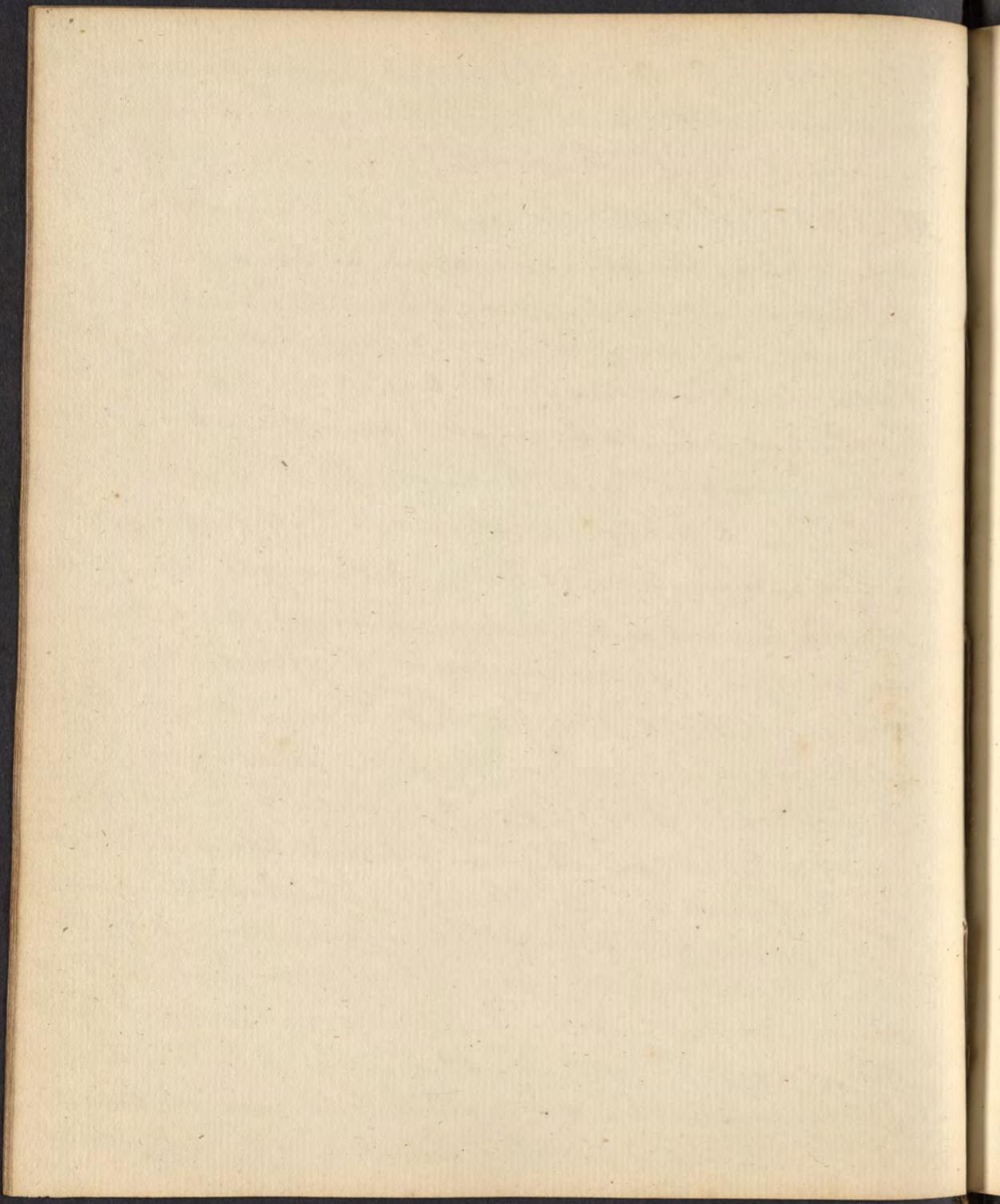
Angina Tonsillaris. Punction of the tonsils is useful
Blisters

59

Wolsters round the neck &c. Bronchotomy is sometimes necessary - After suppuration Saugier has been known to open the Tumor. —

III SCARLATINA. It has been and is supposed to depend upon the same contagion as Cynanche Maligna. it is a matter of no consequence whether or not, — as to the cure for you are to be regulated by the pulse. CURE. 1 Bloodletting. 2. Comitting is very unuseful. The Patient should be vomited two or three times a day according to Doct^r Withering for there is here as well as in Cynanche maligna a putrefactive secretion and excretion of Bile. 3 Fumigations, they should be such as stimulate, as the vapour of Myrobal and Ainger. 4 Mercury must be attended to. —

IV Cynanche Trahealis. This may occur from contagion as other causes. It occurs sometimes in Small pox &c. I saw a case Cynanche Trahealis produced in Doct^r Foulke from a translation of Rheumatism. Its chief cause is cold. It most frequently attacks young Children. Though I have seen it in old People. There is certainly an inflammation of the Trahea. Doct^r Frank who has written upon this disease calls it Trachitis, it may be called the Pneumony of the Trahea. — Some suppose the effused fluid to be mucus, but I have been lately taught to believe it to be coagulable lymph



Lymph, similar to that which is effused from any other inflamed surface. It does not militate against the inflammatory nature of this disease, if there be no inflammation seen on dissection. Pus has been found in the Trachea on dissection after this disease. Firm membranes have been stripped up in this disease. They are sometimes absorbed. Mercury well sometimes produce an absorption of them. A Gentleman from Virginia who had lately had a Pleurisy was affected after it with all the symptoms of strongly marked Cynanche trahalis. I perfectly cured him by steadily touching his mouth with mercury. —

Cure. 1. Bloodletting. I always use this remedy. I once bled a Child three times in one day, while labouring under this complaint, I thereby saved its life. 2. Comfits, they should be given several times a day. 3 Mercury. 4 Purges. 5 Blisters. In the Spasmodic species of Cynanche trahalis the warm bath, Mercury and cataplasmas, should be attended to. —

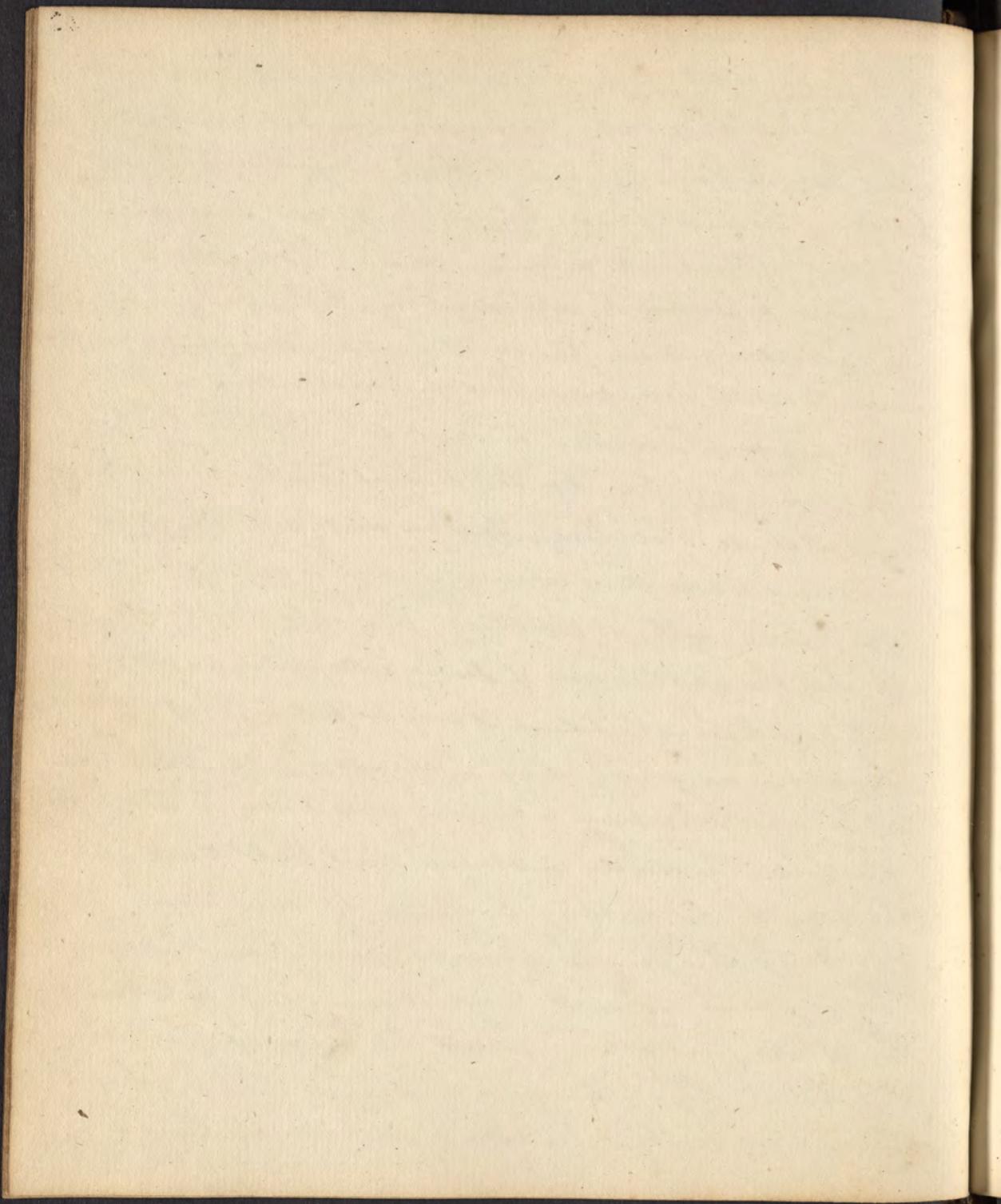
4. Rheumatic state of Fever this divides itself into acute and Chronic. —

1. Acute Rheumatism arises from the alternate action of heat and cold. It most affects Soldiers from their active occupations. It affects the muscles and Tendons. —

Tis nothing different from Gout only the latter frequently falls on the viscera. Rheumatism is to the Gout what Break-bone fever is to the Yellow Fever. —

CURE. 1 Bloodletting, particularly cupping, as there is a particular local determination. Bloodletting should be used in proportion to inflammation. 2 Purging. 3 Sweating. This often relieves Rheumatism as it is an external fever. To excite sweating heat of bedclothes is the best remedy. Dovers Powder after Bloodletting is a good remedy. Seneca snake root is also a very good medicine for sweating. 4 Low diet. 5 Colce, it is sometimes usefull as when you wish to destroy the action of the disease without sweating. This may be effected by cold air, the application of Ice or cold water, analogy would also lead us to believe it very useful. — The foundering of Horses is in every respect an inflammatory Rheumatism. Tis cured by standing a considerable time in cold water. 6 Frictions. The women in Otaheite cured Capt. Cook of a Rheumatism by rubbing his joints for some time. —

It acts by bringing on aquaer action than the disease. This is a true animal magnetism. — 7 Blisters to the affected part after a small bleeding. If they be objected to, the application of cabbage leaves should be resorted to, they produce a small discharge. —



In promoting a discharge here we anticipate Nature who always relieves herself by an effusion. & Molasses and Mercurial ointment rubbed on the part, I have found of service. The sooner a person uses them the better. When the part swells, Blisters are necessary.

Prophylaxis - Flannel worn next the skin. - Abstinence Sulphur taken in small quantities as to open the bowels.

II Rheumatism with or Chronic Rheumatism with inflammation. It is to acute Rheumatism what consumption is to Pneumonia vera.

CURE. The remedies are the same as in acute Rheumatism. Attend to the pulse, and you will have to bleed frequently and thereby prepare the way for Stimuli as 1 Vol. Finet. of G. Guia. 2. Warm bath. 3 Cold bath 4 Frictions. 5 Electricity. 6 Change of Climate. 7 Salivation. Small and frequent D.S. Low diet Blister &c.

Beware of Stimulating before you have sufficiently reduced the Pulse. A swelling in the lower extremities I have found to be a symptom of Rheumatism, no pain, there is an engorgement of the vessels. Bleed in such cases and you will excite pain and with it the symptoms of Acute Rheumatism.

5 Arthritic state of Fever. Gout is a disease of the whole

whole system. It is a primary disease of the solids only. Chalk stone, abcesses &c prove it to be so, it is produced from a general predisposing ability. It affects most frequently those of a sanguineous temperament. - It attacks generally in the spring and autumn when the changes of weather are most favourable to diseases. - It is an hereditary disease but it does not depend upon a transition of morbid matter from parents to their children, but on a predisposition that is transmitted. It passes by children sometimes and affects grand children. It affects females as well as males. Chalks are subject to it in a greater degree as is generally thought; Perhaps it would be more proper to say it affects both alike and that it appears in females in the form of Hysteria &c It appears before puberty. I have seen it in a Gentleman after he was 80 years old and in a Child only 6 years old. The most active minds are most subject to it. -

Remote Causes. 1 Passions of the mind. 2 Ardent or fermented liquors. 3 High living. Spirits are actually necessary to induce Coal which affects the muscles and ligaments. The acrid wines are most apt to induce it. Spirits more apt to induce it again. Then all induce a debility. -

Exciting

64

Exciting causes. There are such as induce indirect
ability or direct ability. 1. Indirect, as fatigue. 2
Night watching. 3 Joy. 4 Terror. 5 Strains. 6 Fever.
7 Hearty meals. 8 fits of drunkenness. 9 Anger. —
2 Direct, as 1 Inanition from fasting. 2 Purging.
3 Cold. 4 Fear. 6 except in Rems. of Gout - Gout affects
the feet because they are more distant from the vital
energies. It attacks in the night when there is most
direct ability.

Symptoms of Gout as it affects 1. Ligaments
in producing pain swelling and inflammation - You
will here see its analogy to Rheumatism. This proximate
cause is the same they differ only in the remote causes. —
Gout sometimes affects the Hip, Eyebrows, Jaws. &c. Gout
differs from Rheumatism in affecting the system with
a more general debility. Rheumatism like Gout pro-
duces Chalk stones and dislocations of Bones. The Gout
is centripetal whilst the Rheumatism is centrifugal
2 In the articular system. It is observed in the hands —
Gout more frequently affects the joints in the spring
and fall. Bark is poison in this disease when it
affects the Asterns. Gout sometimes appears in the
form of an Intermittent and sometimes in the form
of a true Acetic fever. — Sometimes

207

Sometimes it appears in the full and change of the moon. 3 In the Nerves and Arterial system jointly producing Vertigo, Apoplexy, Palsy, Hysteria &c.

4 In the Muscles producing pain and spasmodic affections; There is a sudden shooting pain which sometimes passes throughout the different parts in Gouty Persons and is gone in an instant. It affects like the electric spark. I have called it the aura arthritica.

Gout sometimes affects the muscles of the Legs &c.

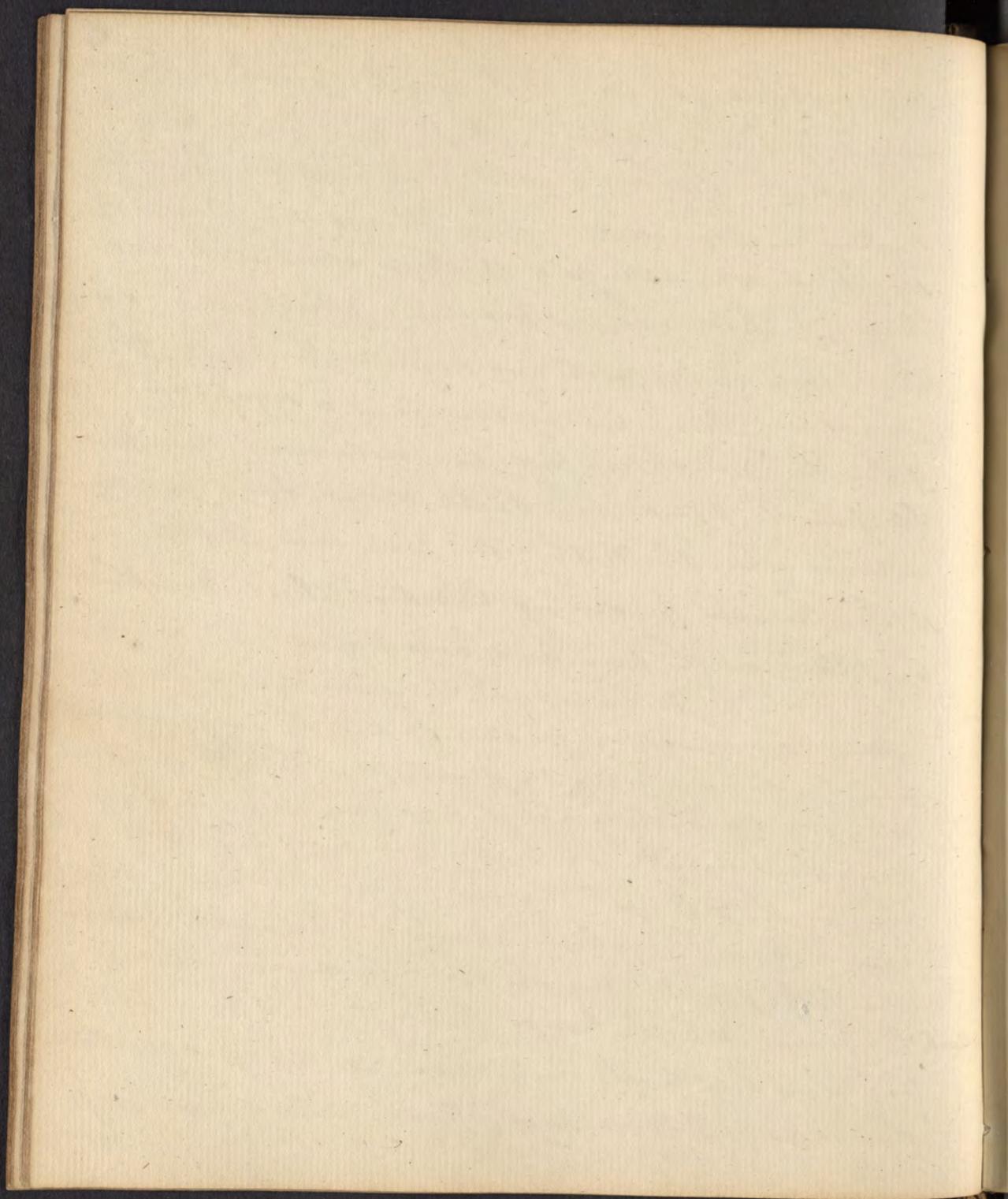
5 In the tendons, producing violence, rending and tearing them to pieces. 6 In Cartilages, I have seen it affect the cartilage of the ears with violent soreness and pain. 7 In different viscera. In the Brain producing Apoplexy &c. In the Lungs producing pulmonary consumption, Asthma, Angina Pectoris and a little short cough. In the Throat Angina &c. In the Kidneys producing Inflammation, diabetes, cholix and strangury from an engorgement of the ^{blood} vessels. - In the Bowels producing Inflammation, Dyspepsia, Cholix, Hemorrhoids Dysentery. Diarrhaea called in Virginia the downward consumption. The Liver suffers much from the Gout, producing an increased flow of Bile, Calculi &c. These last symptoms appear most frequently in females and in

Southern Climates. On the Stomach it produces Nausea, vomiting, black matter &c. 8 In the Glandular and Lymphatic systems, producing Salivation. Bubo's, swollen breasts, each of which I have seen producing scrophulous swellings of the lower extremities and Drophy - I have seen it produce a flow of mucus from the Utricula or a catarrh and pain in the parts of Generation. Priapism is sometimes a symptom. -

9 In the Bones, twisting and dislocating them probably from the formation of Chalk Stones. Jones saw an instance where the Teeth rotted from their Sockets.

10. In the skin producing Petechia, Ulcers, Mortification Eruptions on the face and Erysipelas. -

The Blood vessels, Nerves and Lymphatics are affected accordingly as the patient is of the sanguineous phlegmatic or nervous temperament. Chalk stones are found in the Eyelids and I have seen them shitten from the Lungs &c. These effusions most frequently take place in the Kidneys. They are (take note Gent) always preceded by inflammation - Effusions of Blood and Serum often takes place. Gout is the same disease whether it attack the Brain, Bowels, Lungs, Joints &c. - I have said there is no half truths in Government, 'tis equally true there is no half Medicines, 'tis the same let its excess
/ be



be what it may. 'Tis a malignant fever of a chronic kind.

'Tis to malignant fever what Pneumonia is to Pneumony - You will readily see the absurdity of Doct. Bullens different kinds of Gout. The Gout is a monarch which invades every part of the system. The whole body crouches before it. 'Tis unlimited in its empire. —

CURE. YBe not startled Gent, when I talk of curing the Gout; For it is curable, as much so as an intermitting fever. I have cured it often and I hope to teach you to do the same. Let not superstition here say, we bring upon our heads the vengeance of Heaven in attempting to cure it for Heaven has not taken that method to punish intemperance. For Sues Venerea, far more sinful, she has kindly interposed and sent us a sovereign remedy. —

It is not more necessary in curing the Gout to induce a fit of it in the feet, than to bring on an abey's to cure inflammation.

In curing the Gout we are naturally led to consider 1 The method to prevent an attack, The promonitory symptoms are Languor &c nearly similar to those of fever in general, and may easily be removed by Pedilevium. Wine why &c. But these remedies will be altogether improper after the formation of an attack. These symptoms all appear when the Gout attacks the extremities. 2 The method of curing the Gout when the fit has taken place and there exists violent action, is 1 Blood letting. 2 Purging. 3 vomiting. 4 Nitre. 5 Abstinence. 6 Cold air. — Startle not Gent, when

when I speak of Bloodletting as a cure for the Gout. I have bled often and with the best effects. I am not singular in my practice Doct: Sydenham and Doct: Linthe bleed in this disease before I did. Bleeding has travelled up hill in fever as in Gout for many years. It has been condemned by Doct: Cullen as highly improper in all contagious diseases. Experience however has proven that inflammation exists in all those diseases; and the real utility of Bloodletting. Is not debility the predisposing cause of this disease? and will not bleeding increase the debility? By no means. All other inflammatory diseases are preceded by debility and yet how unfull, how absolutely necessary do we find bleeding. — But will not bleeding dispose to a return of the Gout? It will not any more than bleeding in Pleurisy will dispose to future attacks. Bleeding is more loudly called for in Gout than in Pleurisy, for it falls with violence on the more vital parts. It is I believe more frequently the cause of calculi when it attacks the Kidneys than is generally suspected. Banish then all your former prejudices upon Gout, 'tis no sacred disease and there is no sin in handling it thus freely. I have long been in the habit of ranking it among the most simple and curable diseases. —

Gout

69

Gout has been supposed to be inflammatory only when it attacks the extremities, and that when it attacks the viscera it is alone Gout. 'Tis no such thing. Physicians stimulate when the Gout attacks the viscera to drive it to the feet. This is by no means necessary. Bloodletting will do the same. The pulse will always inform you what you have to do. You will frequently discover the disturbed pulse, as much so as in a malignant fever; Bleed and you will cure it. Every circumstance which can justify Bloodletting in the yellow fevers when it attacks the viscera, will equally do it here. The wandering or misplaced Gout is frequently carried to the feet by one single bleeding. I have bled to remove the hectic fever which sometimes attends Gout and to prevent its recurrence and with the best effects. Remember it is proper to bleed in Gout, at all events whatever part it may, for it is still the same inflammatory disease. The good effects of Bloodletting here, are, 1 It removes pain. 2 It prevents effusion 3 it removes a paroxysm. There will be I hope a time when it will be as disagreeable to let these effusions take place in Gout, as it is now to let a malignant fever turn to what is called a pectoral one. — The most remedy mentioned is 2 purging, Sulphur is generally preferred for this purpose; It is supposed to have

a specific action. Other laxatives however I can conceive will answer equally as well. 3. Vomits. They are useful when there is only a moderate action. Doct. May says they are serviceable by removing an acid from the Stomach. They act by taking down inflammation and diffusing it through every part of the system. They should not be used when there is a local determination to the Stomach or head. 4. Nitre should always be given except when the Stomach is affected. 5. Cold air. The limb should be kept out of the bed cloathes. Cold Water may sometimes be applied. Flannels should be avoided. Remember I recommend Cold air and Water only when violent action exists nothing can be more rational. —

6. Diluting liquids, so as to bring on a moderate diarrhoea. 7. Abstinence from wines, Spirits, hearty meals &c. 8. Blisters. They are valuable, they are like and as effectual as the cauter or knife to those tumors called Noli me Tangere, which from neglect become incurable cancer. They should be applied to or near the affected part. —

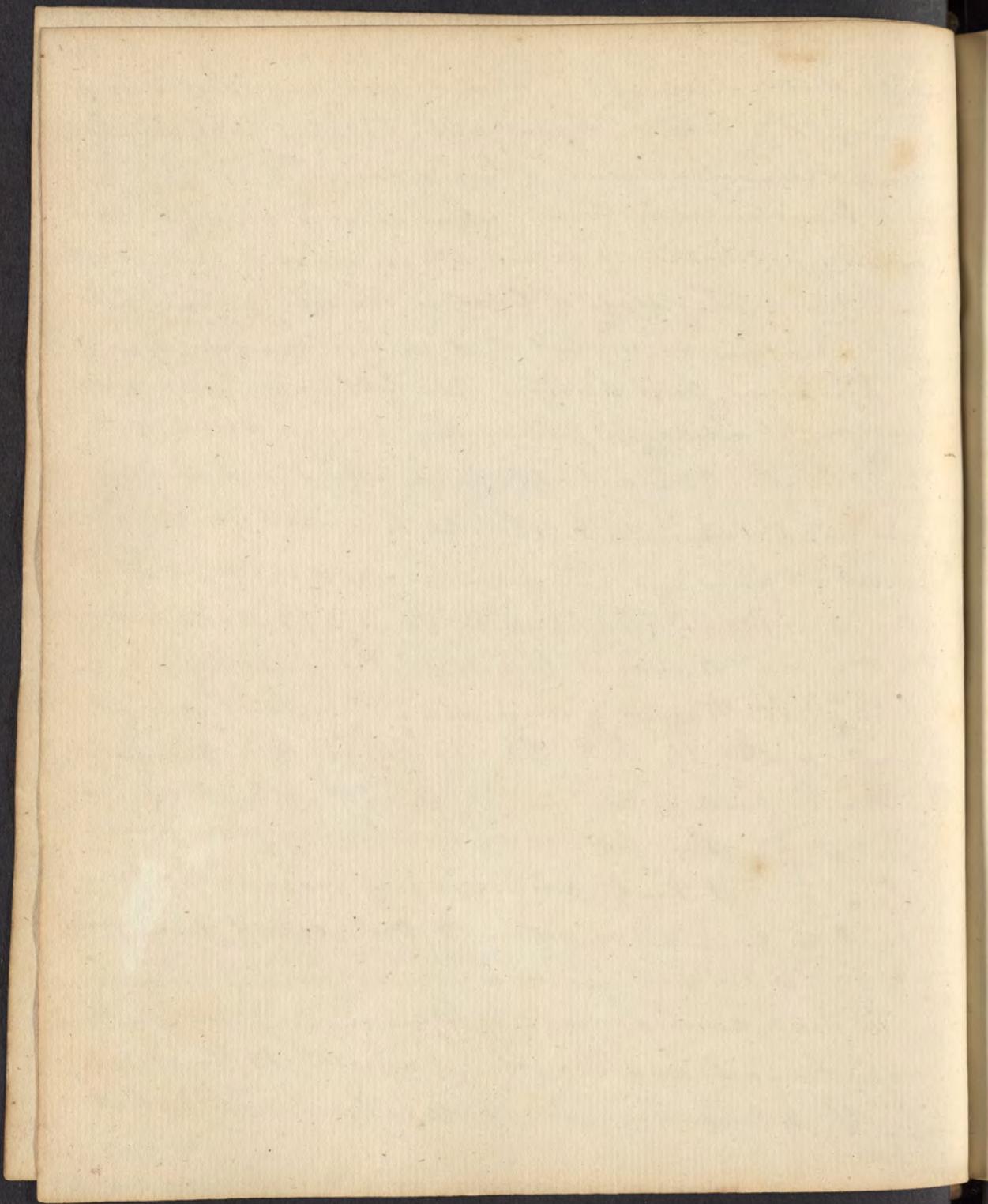
The late Doct. Chalmers first informed me of their good effect; they never do harm. They always ascertain by afford relief as they do in a Pleurisy. — Is sweating proper? No, when bloodletting could be used. Is Opium proper during a fit of the Gout? No it is not unless after the use of the lancet. Are any other local applications

proper

except blisters serviceable? When blisters are objected to I have applied cabbage leaves and Molasses with advantage Stimulating Liniments should be avoided. —

9 Caustics may be used when there is violent morbid action. — Method to be pursued in what is called Atonic Gout. This state of Gout is the consequence of too little Bleeding or neglect of it in inflammatory Gout.

The atonic Gout however like Typhus comes on with symptoms of debility; it follows the wearing down of the tonic Gout. Attend to the pulse, when it is languid and weak Stimulants should be used. 1 Opium given in small doses and then increased gradually. 2 Spirit Wine, unless an acid prevails; then 3 Porter is preferable. If this fails 4 Ardent Spirits first given diluted and hot. Doct: Warner recommends Ry. and it is very well adopted. 5 Ry. Raisins buried 6 ss. Senna 3j Sem. Coriand. & Fenniel: aa 3j Rhubarb. 3j Infus. in 3pt. Calli. 8s. Cola et caps coch. mag. omn. quart. here add 1 Sand. 6 Ether is very good when you wish an immediate action. 7 Vol. Alkali from full. vad. 8 Oil of Amber it is of great service when spasms and convulsions appear. 9 Opium, or Glyptos when the Stomach and Bowels are affected. 10 Fusions with Volatile liniment to the Abdomen 11 Blisters. 12 Batoh.



12. Cataplasms to the feet and upper parts. 13 Warm bath. & the last of all is a Salivation. —

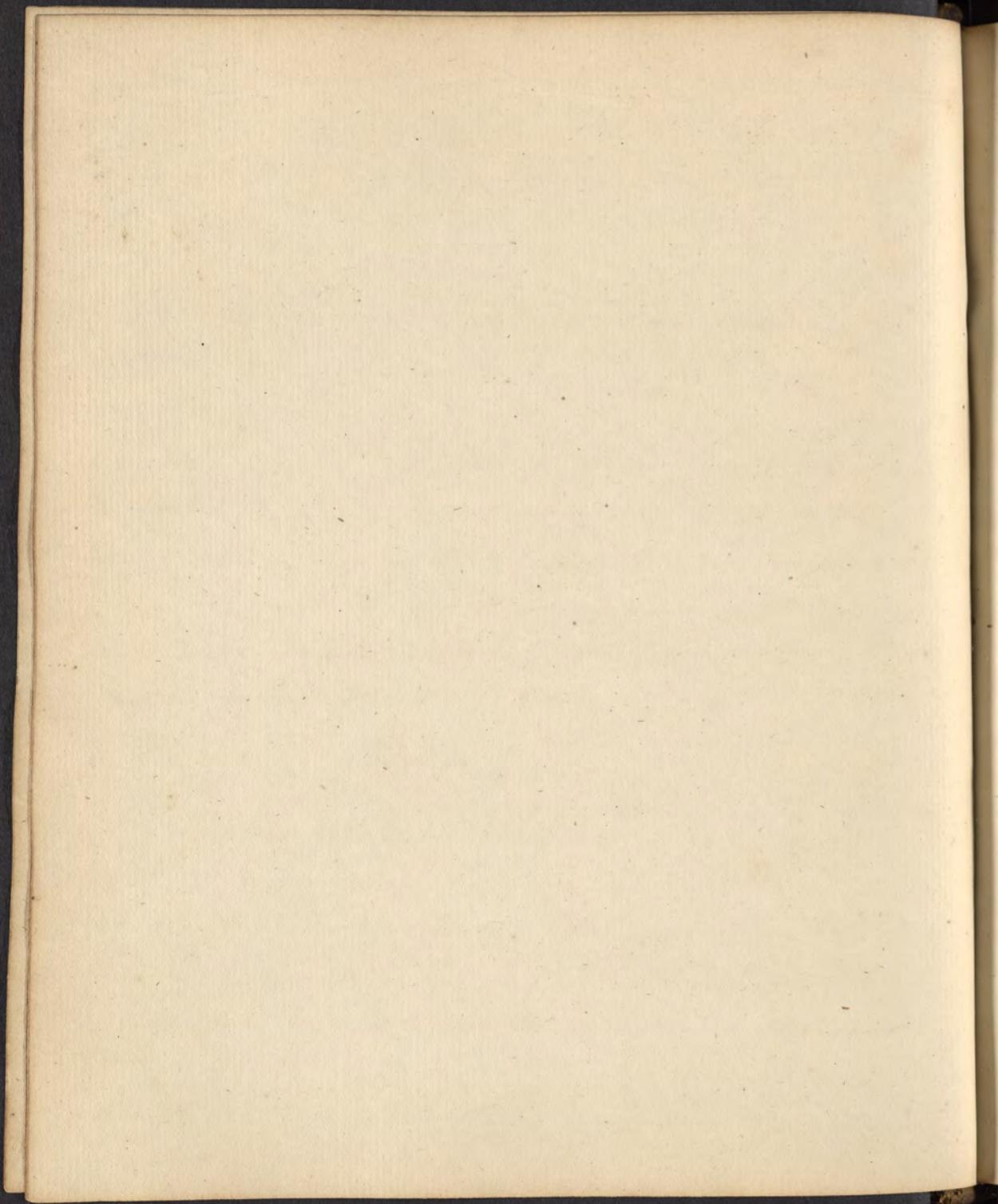
Means of preventing an attack of Inflammatory Gout. It occurs most frequently in the sanguineous temperament and under the 45th year of age. Remember that I do not believe the seed of Gout exists in the body any more than the seed of a Pleurisy exists after after an attack of it. There exists nothing more than a predisposition to the remote or exciting causes. —

1 Temperance, in a total abstinence from Wine, Spirits and animal food, attention to this part certainly eradicates it from the system when it occurs seldom.

A meal of fish may now and then be allowed, he may be indulged a little in the white meats and a little Wine and Water. 2 Moderate exercise. It acts by giving tone to the system. It should be moderate otherwise it will awaken to an attack. —

Aquæduct and walking are preferable when used moderately. Riding is not good as it acts partially not affecting the lower extremities. 3 General steady warmth should be attended to. Woollen and cotton should be worn next the skin. Cola particularly combined with moisture should be avoided. 4 Moderate

Exercise

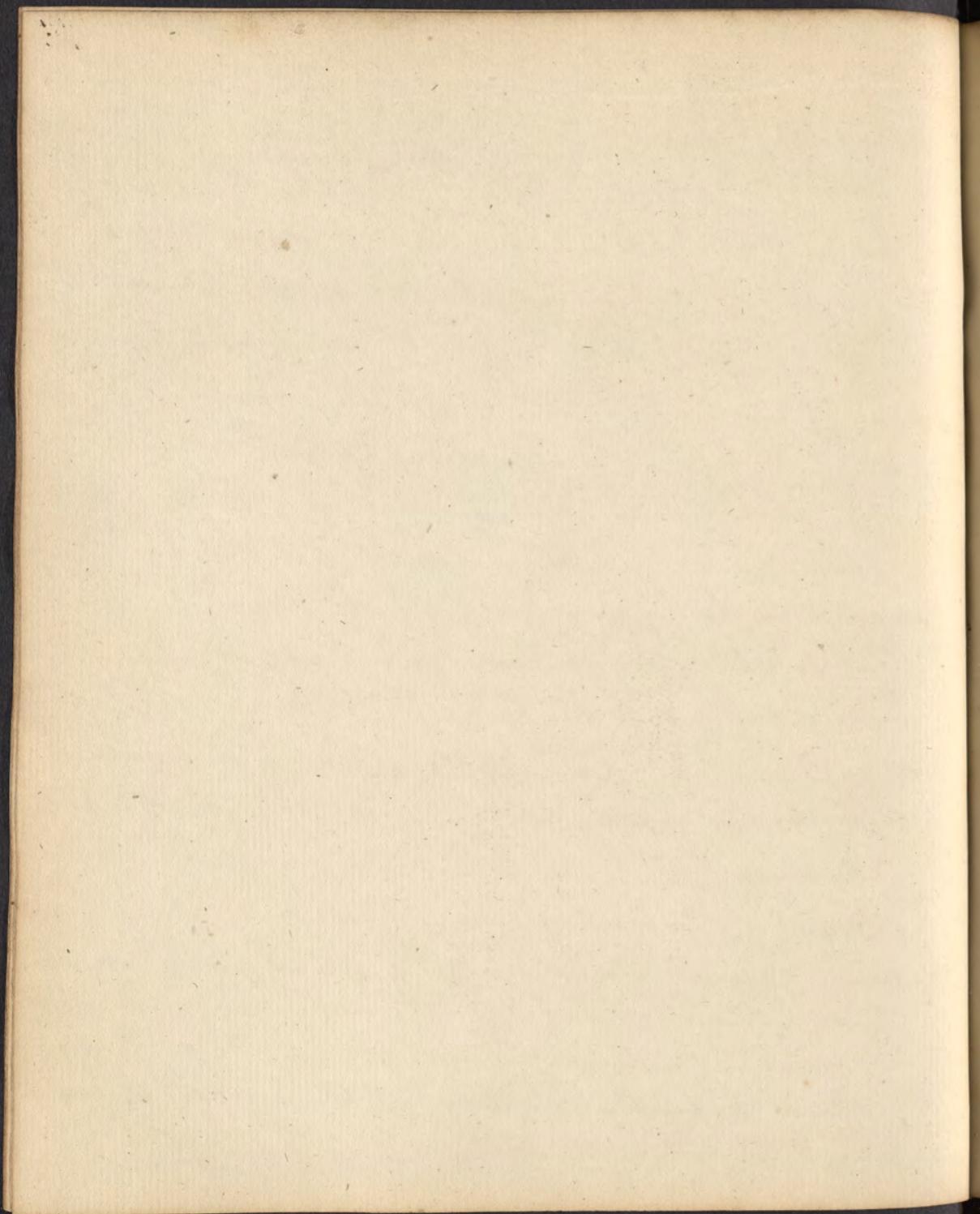


exercise of the Passions and understanding. Political controversies should be particularly avoided. The understanding should be engaged in pleasing subjects.

Patients should avoid the midnight damp by going to bed early. 5 Removal appetite may be moderately indulged. 6 Constiups should be removed by powdered Brimstone. 'Tis preferable to other laxatives as it has likevin an action on the Skin. A man who is subject to Gout should treat his body as if it were Glass.

There appears (Gent) something like Indian Devil worship in preventing Gout among Physicians, None think it a folly to endeavour to prevent all other diseases but all bow before the Gout. - 7 Ossues, are sometimes serviceable. Are Blisters proper in preventing an attack of inflammatory Gout? No. The Duke of Portlands powder destroyed nearly all who took it.

Means of Preventing atomic Gout are 1 Generous diet. 2 sound old Wine. 3 Frequent meals. 4 salted food. 5 Chalybeates. 6 Blisters in moderate quantities 7 Volatile tincture of Gum. Guiacum. 8 Garlic 9 Warmth applied generally. 10 Warm bath, and sometimes 11 the Cold bath. 12 Exercise, in journeys best.

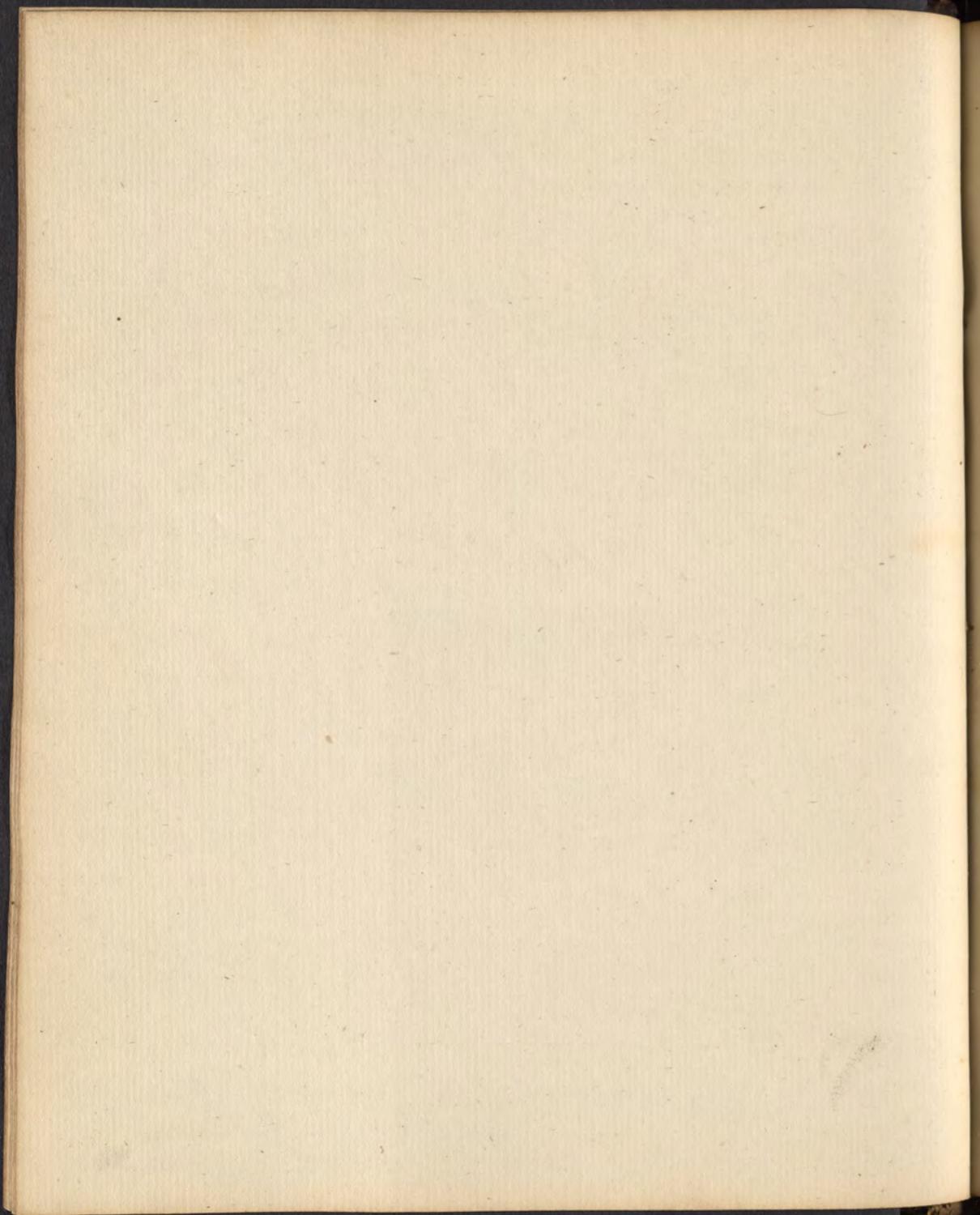


74

13. Frictions. M. Salsatives. Sulphur should not be used. Rhubarb with Orange Peel infused in wine is well calculated for this purpose. 15. The passions & understanding should be moderately exercised.

Skill in Physic depends on the mode of properly timing remedies, for there is a time to bleed and a time not to bleed. There is a time to stimulate, a time to Purg, a time to Domit &c &c.

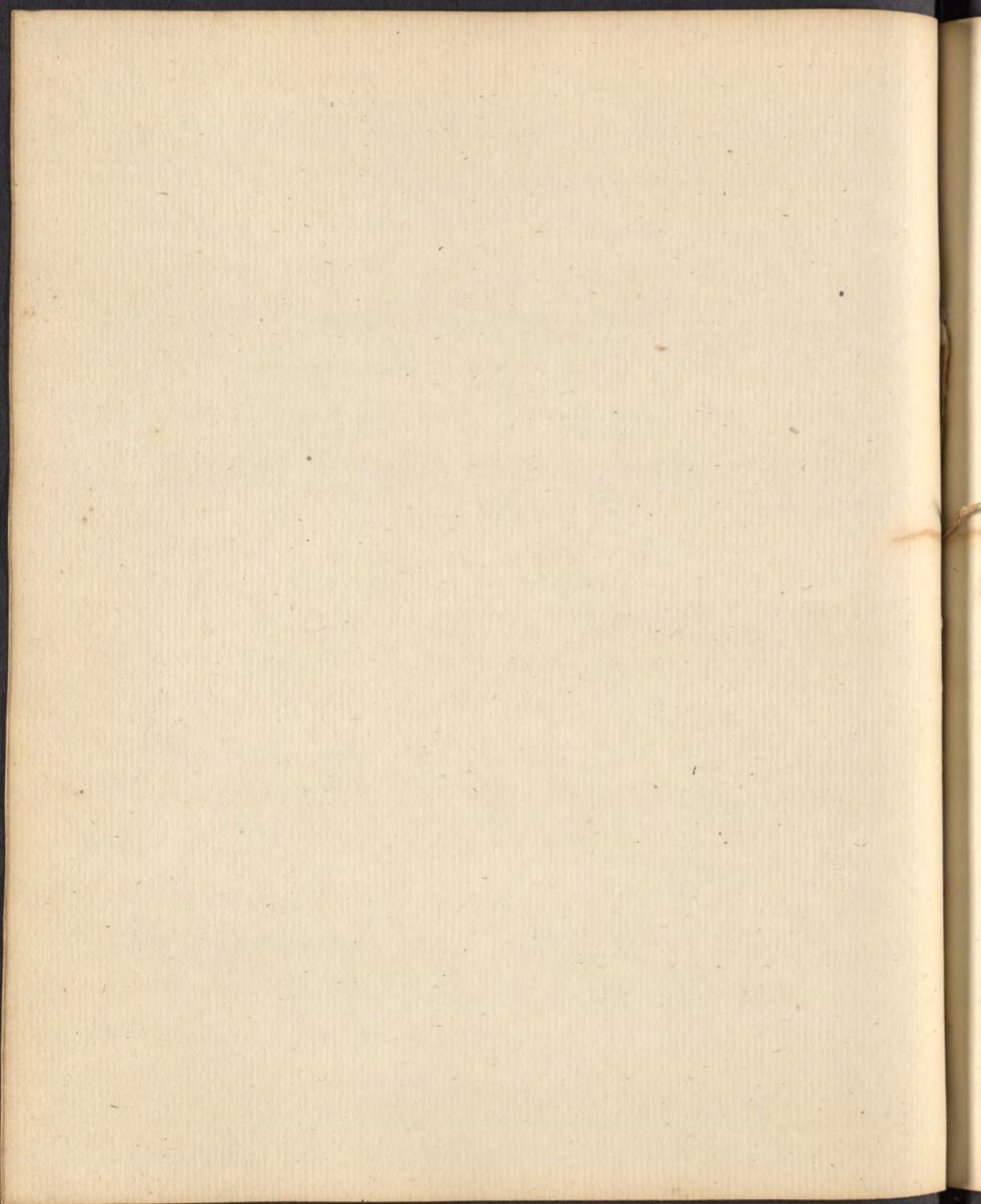
6. Maniccal state of fever. I enter on this subject gently with uncommon pleasure, for I hope to make its proximall cause the same and its nature as simple as any other state of Fever. I was once led to believe its seat to be in the mind and considered it as a Noli me tangere. Dr. Cullen taught me to place its seat in the nerves, but from my bad sucs in treating it I was obliged to abancon that theory, and now consider it as wholly seated in the Bloodvessels. It is precisely similar to the most common Inflammation. Those patients who labour under this disease you will always find upon inquiry, first complained of pain in their forehead. There is a quick, full, frequent and tense pulse in madness. I scarcely ever met with an exception



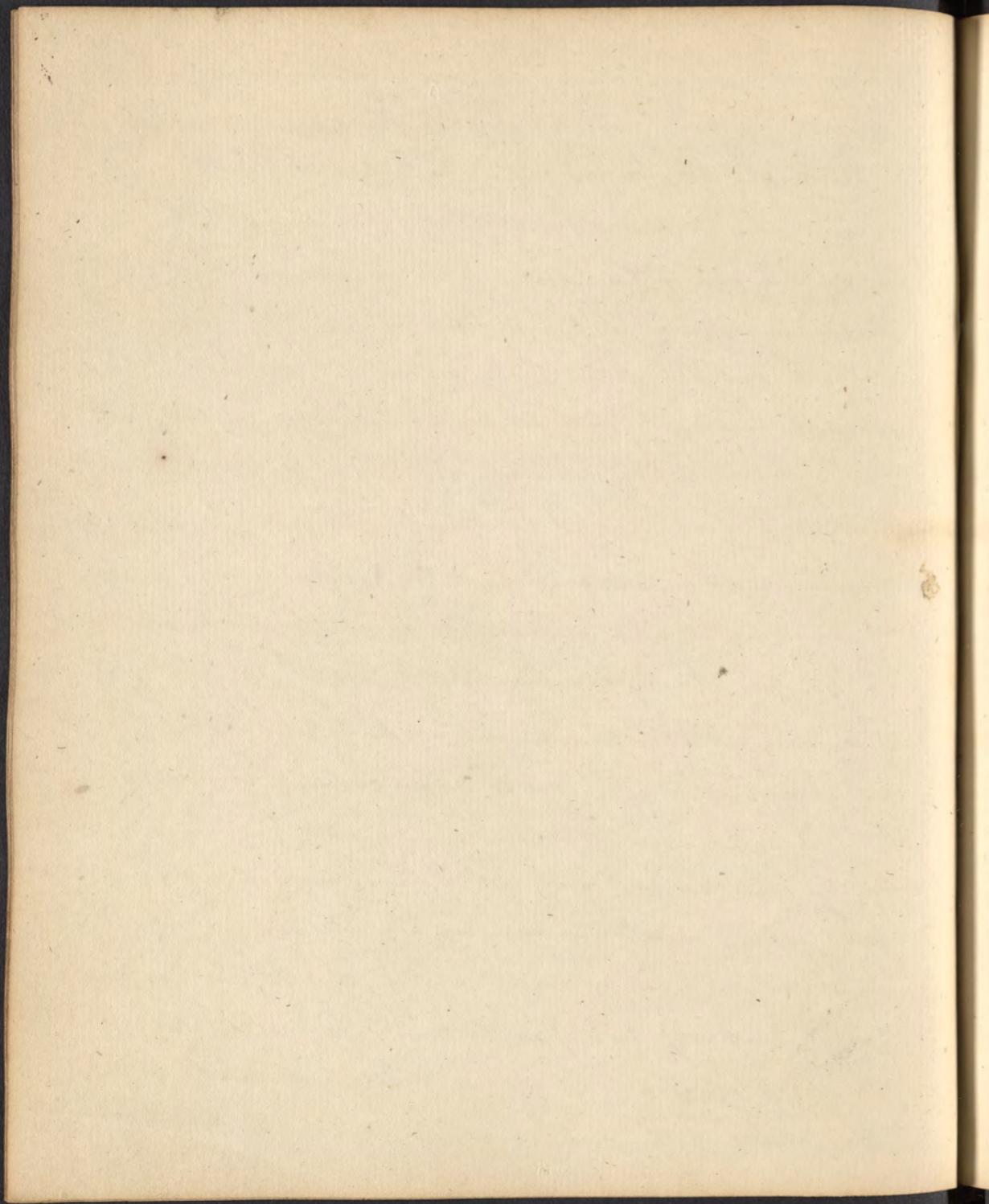
to this. Wakefulness is a sign of fever, this we know takes place in Madness, - The white Tongue which occurs in inflammatory fever occurs here - Blood drawn shows high inflammation, sometimes slight, but more frequently puts on signs of the highest inflammation.

I infer it is seated in the blood vessels from its causes. Occurs at those seasons and time of life when other fevers are most common. It occurs in the Brutal creation and they may be supposed to have but little mind. -

The C.W.C is the same as in other fevers. I infer it also from its allusion with other diseases of an inflammatory nature as Phumatisim, Consumption, Purpural fever &c. Also from some states of the pulse occurring here as in other fevers. I infer it to be seated in the Blood vessels also from compression of the Carotid artery producing temporary suspension of it. - Also from no marks of inflammation being found on dissection when it has been cured by transpiration - From remissions taking place as in other fevers; from terminations similar to that of other inflammations; as rigidity, effusions of Water, Puf. &c being found after death. That there are corpus after death that shew



no marks of inflammation we will readily admit, because we know morbid action is often so violent as to go beyond inflammation. It appears then that Mania is a true inflammation of the brain. It is in fact a chronic Phrenitis. It is to Phrenitis what Rheumatism is to Rheumatism. - Discard fever with its morbid secretions are very often found in this disease, hence the ancients absurdly supposed it to be the seal of the disease, this owing to the action of a general fever. - I conclude then there can be no mania without an inflammation of the Brain. - I consider derangement as a departure from the natural order of things, mistaken perception is the highest grade of disease. False judgment with a just perception is a low degree. - There is a derangement of will, memory, &c. Derangement is sometimes seated in the moral faculty and the passions. All their different grades are founded upon morbid action in the Brain. - There is in some diseases an abstraction of all the faculties called fatuity and Idiotism. You will now, Gent's, see how necessary it was to speak professedly of the faculties of the mind in our Philosophical lectures.



Remote Causes, are such as act by inducing, 1. Direct debility in the bloodvessels of the Brain. Indirect, are such as induce debility through the medium of the Brain and Nerves. Intense thought often induces derangement in the understanding, as Theological, Metaphysical, Arithmetical &c. Love, Grief, Gaming, Debt, Losses, Intemperance and numberless other causes occur in producing this disease.

In times of revolutions diseases of the Brain are much more frequent. Apoplectic ones were epidemic from this cause. The turbulent state of France for this many years has produced many instances of this disease. In the times of Speculation this disease frequently takes place. In the eastern Countries this disease is scarcely known but fatuity is frequent; the mind here dies as it were from the abstraction of stimuli. Mania most frequently takes place in sanguineous Temptaments. It seldom occurs under puberty; here the predominance of irritability over sensibility protects such from the disease. Old people are unable to have it. Between the 20th and 45th year it most frequently occurs. This shews its near connection with

with the Blood-vessels. The Moon has a particular influence over this disease hence the term Lunatics. The different states of derangement appears in the forms of
 1 Hypochondriasis, This is produced from repelled eruptions, retained mucus &c. The first symptoms generally appear in the Stomach, producing Heart-burn, Dyspepsia &c 2 In the Bowels producing Cholix, Flatulency, Diarrhea &c from thence it often travels to the Brain producing moderate vibrations and the patient considers himself dying or even dead and a thousand other inconveniences.

Hysteria resembles Hypochondriasis in almost every respect. It differs from it in degree. Hypochondriasis being the most violent state. The treatment also differs. Dyspepsia seems to be the state that connects these two diseases together. —

CURE, Hypochondriasis is cured by such remedies as act 1 Directly upon the Body as 1. warm bath 2. Warm drinks as Coffee and Tea which appears to be very proper as the first symptom of the disease is frequently a colic at the Stomach 3. Opium, this anim medicine is the principle consolation to Hypochondriac patients, hence called "Medicina Mitis." —

4 Ardent Spirits have been resorted to by the patients for relief, but here the remedy is worse than the disease
 5 Emetic of the Chrysanthemum kind. 6 Salivation should by all means be tried after other remedies have failed, it translates morbid excitement from the Stomach, Bowels and head & so often the seats of this disease to the mouth. 7 Exercise. 8 Restoration of eruptions if the disease be connected with their eruption.

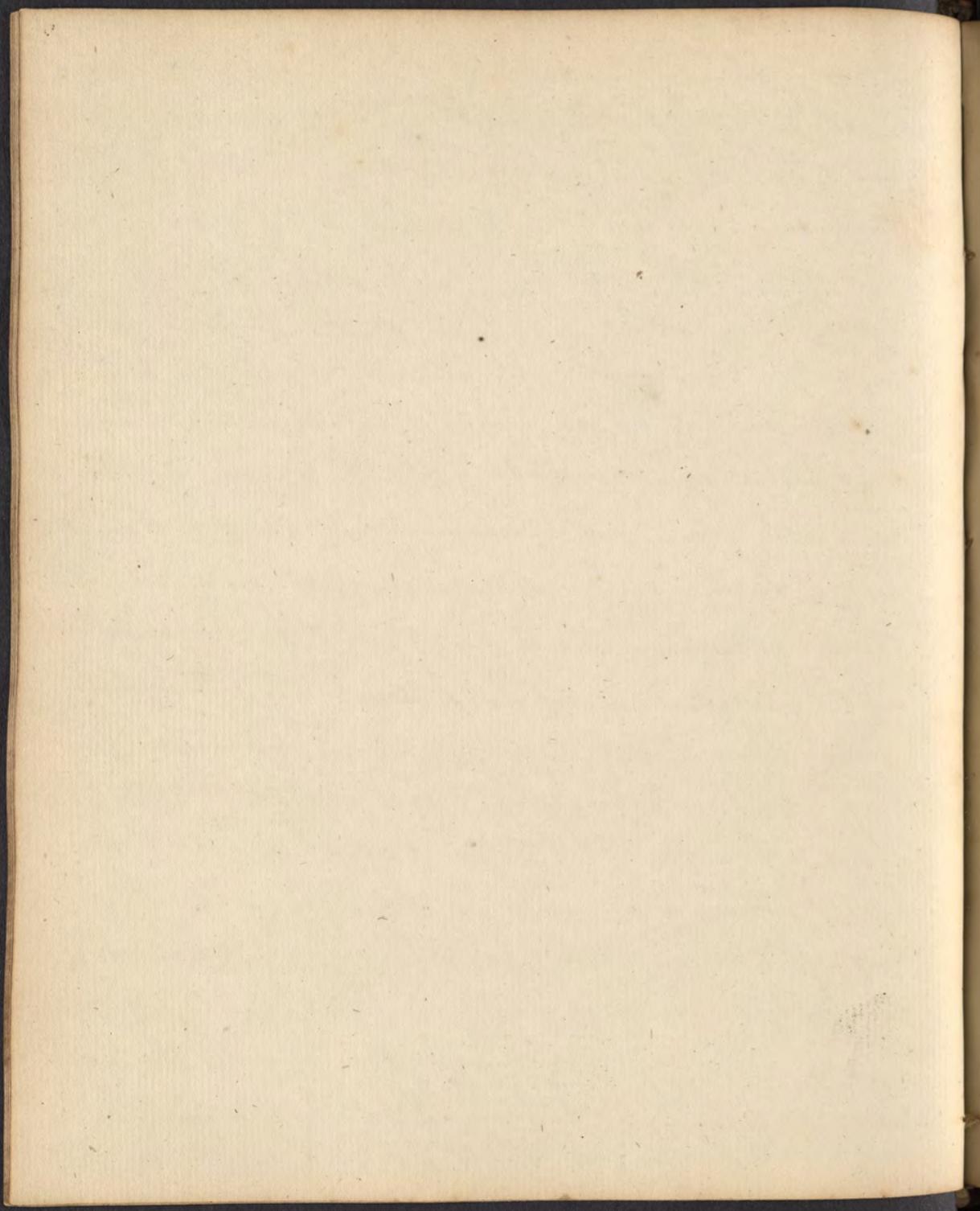
9 Cold Bath, after some degree of excitement has been restored to the system by the previous use of warm bath. — Is bleeding ever necessary or proper in this disease? I answer not often, but when it is you can easily distinguish by the pulse.

Dyspepsia which is so often a troublesome symptom in this disease should never be neglected. — You should remedy it by the use of magnesia, Blisters, Alkaline salts, animal diet &c but of this I shall be more particular in its own place.

II. Those which act indirectly on the body through the medium of the mind. — The patient fancies himself labouring under every disease in the Nosology; he entertains a false judgement in his Physician, how

he runs the whole round of Physicians in his neighbourhood, still putting unlimited confidence in the last. He will sometimes fancy himself dead or transformed into Dogs, Cats, &c. Hysteria is the mildest disease state of the mind; it however always leads to Hypochondriasis; having the most to a knife, a river, halter &c. Considering the anaæsthetic nature of this disease we should by no means treat our patients diseases as imaginary but real. 1 The Physician should always be grave in his presence and listen to him actively whilst relating his various symptoms. You should be wary of treating his disease slightly or dropping a word to that effect among his friends or acquaintance. —

2. Amusements of every kind that will amuse without fatiguing should be attended to carefully. Man was made to be active. 3 The sudden excitement of some passion. There is an instance of a man who laboured under this disease who fancied himself dead and shrouded. He gave directions that the Bell should toll his departed soul. The Bellman knowing his situation instead of giving it the usual solemn tone, gave it a quick



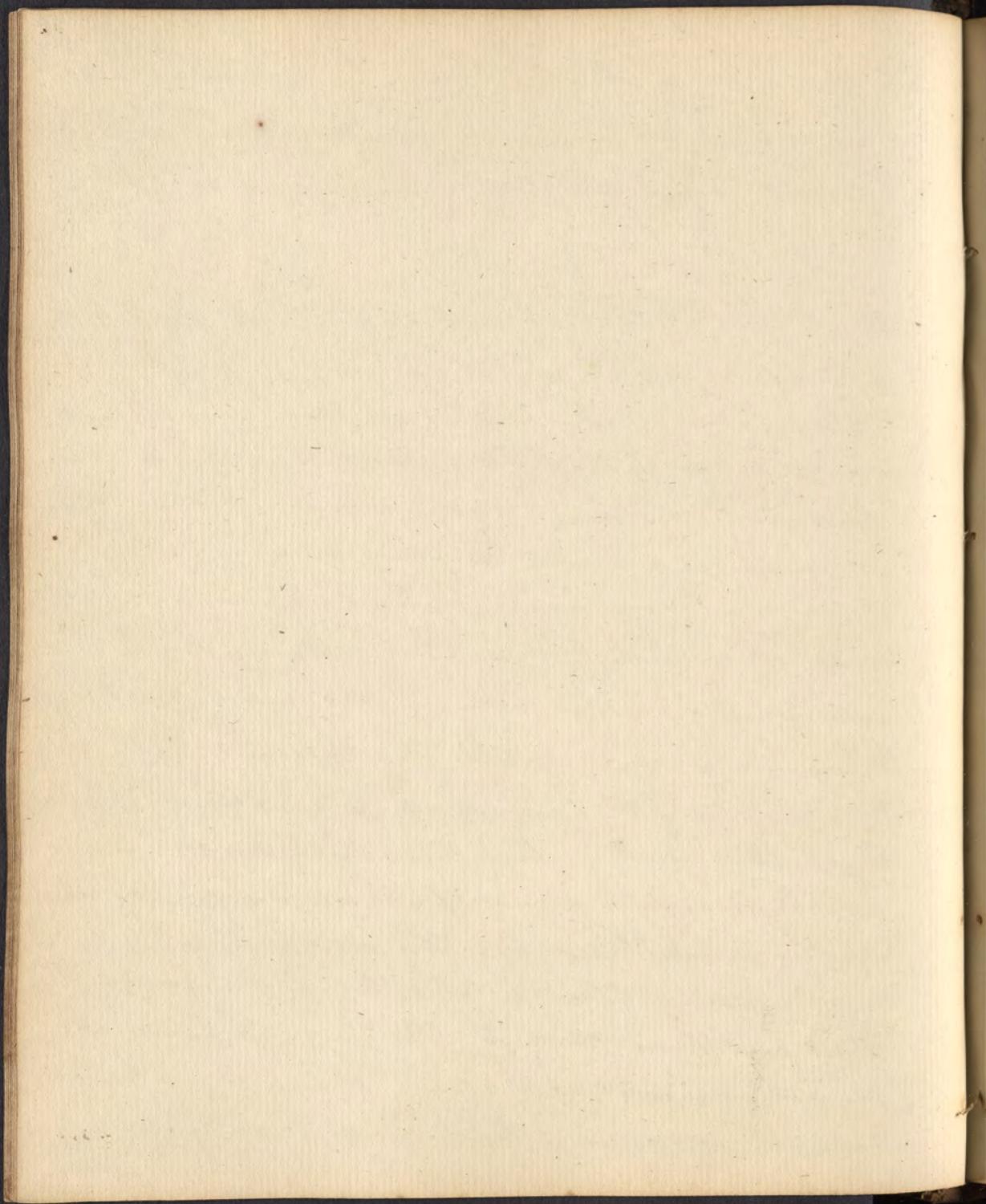
quick lively strokes; the sick man quite enraged
jumped up, tore off his shroud, ran up, kicked the
Bellman down stairs and began to toll gravely his
departure. — The passion of anger that was thus excited
perfectly cured the patient. 4 If debts be the cause we
may be sure he is an innocent, honest man for no
dishonest man ever yet became Hypochondriac or
troubled from contracting debts. We should therefore
advise them in these cases to avail themselves of the
laws of the Country. I have by this means I am
certain seen many miserable persons perfectly restored
and rendered useful and valuable Citizens. 5 If it
arise from love advise abstinence or *benam Americam* i.e.
a second mistress. 6 If from grief advise a convention
of pious Clergymen. 7. The production of a new associa-
tion of Ideas, change your patient's room, his dress,
his company &c. Matrimony if practicable should
be resorted to. The substantial pursuits of this state
of life prevents the action of the exciting causes. —
8. A journey to warmer climates. They destroy the
body.

82

old association of Morbid Ideas, by presenting new objects, and a new companion should accompany him to distract your patients when solitary not to be idle, if vice versa. —

III. Melancholia or Insania Particularis, I define it to be a false perception of things or a false judgment of the relation of things that are true. — There are various kinds of the less degrees of Mania, as the Democratic mania, the Aristocratical Mania, Monarchical mania, Hunting mania, Virtuous mania, Love mania, Ecclesiastical mania, Anti-metrical mania &c &c — Disbelief seems to be the connecting symptom between Melancholy & Mania, this quality is very common, The Alchemists, enthusiasts in religion &c have all afforded instances of it. — Dyspeptic symptoms here have the patient. —

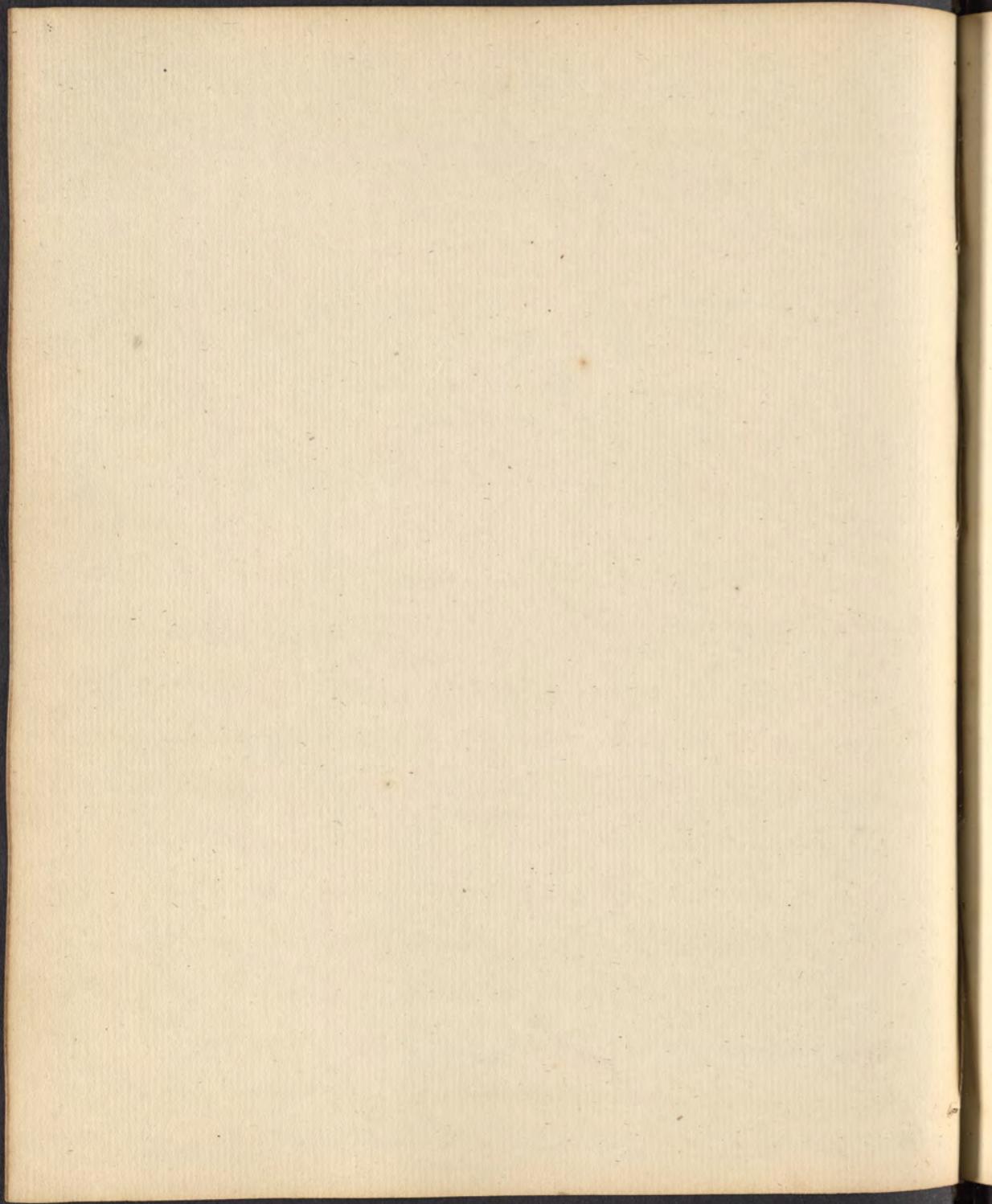
The predisposing cause of Mania is debility which is either direct or indirect. This debility invites to violent morbid action. The Acute Inflammatory mania I will call Tonic Mania. The one with but moderate action I will call atonic mania. The principal symptoms of Tonic mania are, watchfulness, first tab



instability in every pursuit, Irascibility, costiveness &c
The precursors of atonic madness are all the different
symptoms of Hypochondriasis, Chilling, Sudden in-
his different pursuits, &c. These two states only
differ in degree. —

To remove the pulmonary symptoms of
Tonic mania, the patient should be removed from
his pursuits, he should be reduced by purging &c. &c.

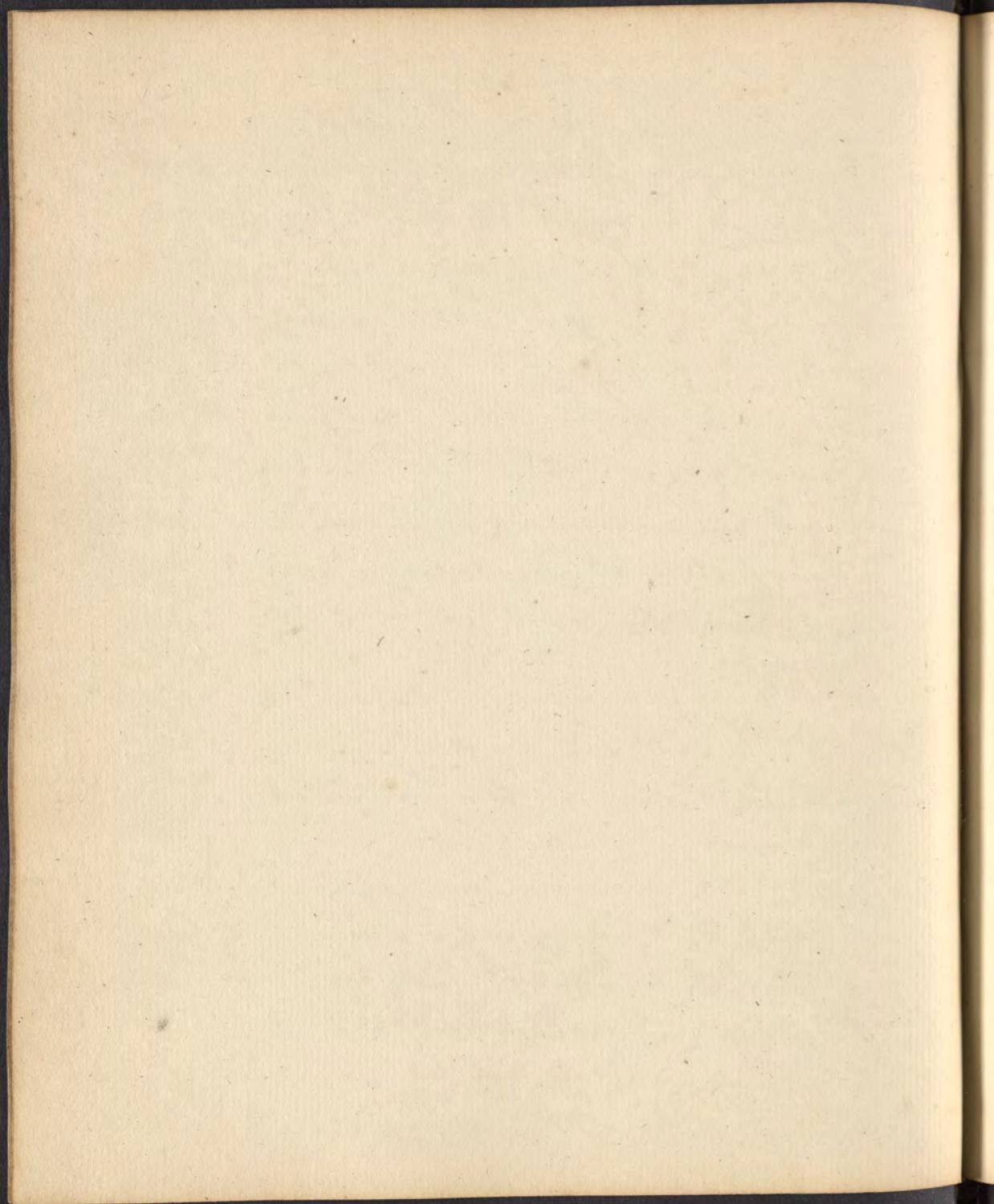
The atonic mania may be prevented by excit-
ing pleasurable emotions. New objects, new society, exercise,
Journey, Stimulating drinks and diets &c. Should be
all employed. — Symptoms of Tonic madness are fitsiness,
irritability, unusual appetite, a full, tense, and sometimes
a quick pulse. Insensibility to cold and different medicines
Costiveness, They tear their cloathes and wound their bodies
if possible they wound their bodies to produce pain and
thereby remove their mental sufferings, They fly from
their friends and society. — Shakespear gives us the best de-
scription of both states of mania in his tragedy of
King Lear. &c. — These symptoms most frequently
terminates in Atonic Mania. However tho' I have
called mania a chronic Phrenitis, yet there are and



I have seen cases where it ended in death in a few days from disorganization in other states of inflammation.

Symptoms of atomic Madness are great torpidity, down cast eyes, a languid, slow or weak pulse, obstruction of all the secretions, dry skin, &c. Then are the symptoms which occur during confinement, but when at liberty they seek society &c. The atomic madness frequently affects all the faculties of the mind & sometimes the moral faculties, while at other times they are unimpaired. Atomic mania when moderate will continue for 20 or 30 years ending in complete fatuity; sometimes in Epilepsy. They possess an egomaniacal temper. —

Cure of Tonic Mania 1st the patient should be removed from his family and friends to a place of confinement and if much enraged the mad shirt should be resorted to. Great delicacy should be attended to in conversations with them as well as in every other respect. 2^d Bloodletting is a very speedy remedy. It soon produces composure. It must be repeated as often as there is any morbid action in the pulse from 320 to 200 of blood may advantageously be taken in this disease — It frequently supersedes the necessity of using a mad shirt.



I have called Bloodletting my anodyne in malignant fever, it is my mad Thirst in Mania. Topical bleeding may be used as there is topical affection.

3 Vomits, they debilitate the whole system, to be of course they should be frequently repeated. 4 Purging is highly proper, it should be repeated two or three times a week. 5 Blisters should always be used Dr. Willis prefers them applied to the ankles and wrists instead of the head and neck. Dr. Parry in England has been famous for curing mania by compressing the carotid arteries. 6 Cold air and Water. The water must be applied until excitement is much reduced as by immersion. The Clay Cap to the head shaved as recommended by Dr. Cullen and the application of Snow and Ice should not be neglected when the general application of water is objected to. 7 Salivation, This not only abstracts excitement from the Brain by exciting a new action in the mouth, but it abstracts it by depletion. -- 8 Low diet, as milk vegetables &c. 9 Supplanting or removing the ruling passions of our patients, nothing can be done by this. -- I believe as much in a table of affinity of the Passions with one another as I do in a

Table

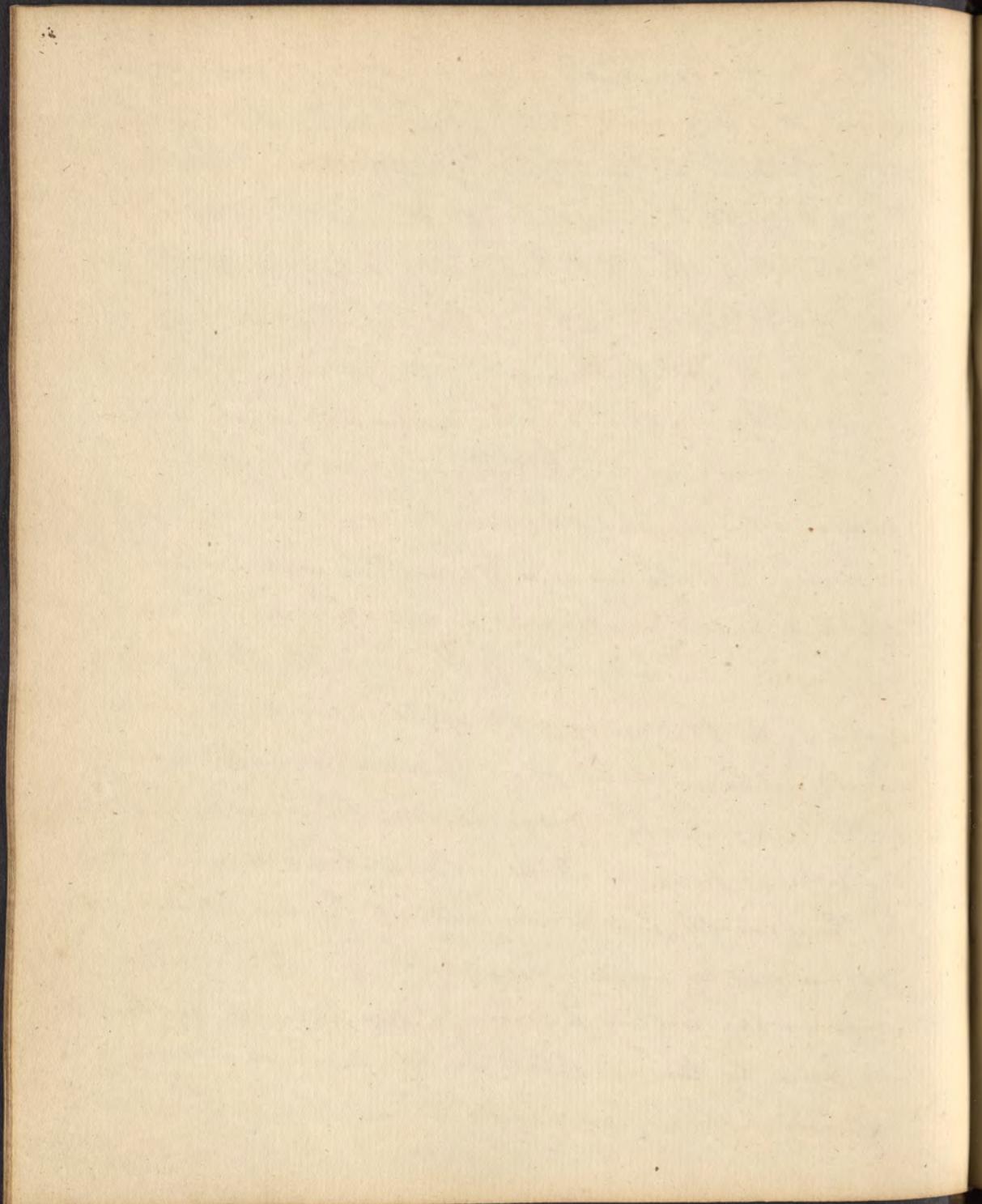


Table of Chemical attractions. 10 Chloric has been recommended. If it ever has done harm it has been from an ignorance how to apply it properly. A plaintive tone could not but be of service to Tonie Mania. 11 Darkness is sometimes necessary. 12 Solitudo, the visits of friends acquaintances or strangers, should be avoided as much as possible. There are times when Physicians or Nurses are logo but seldom. They frequently excite a misaction which cannot fail of making him worse. 13 Patients should be opposed as little as possible to any thing. Above all the Physician should do nothing that would excite anger, he should not bleed his patient himself, nor let him hear him prescribe Bloodletting. —

14 Cleanliness should be attended to. 15 Exercise in a carriage or in company. 16 Cold bath should be employed, the shower bath is the most preferable method. 17 Conveniences. They should be used constantly and in succession — Is Opium proper in Tonie Mania? No. — Are any other medicines proper? I know of but few. Hellebore and Borax have done good only when they excited Purging. Camphor has excited some expectation. Given in the quantity of from $3\frac{1}{2}$ to $5\frac{1}{2}$ in the day it is said to lessen the action of the Pulse considerably. Digitalis has been of service

Doct^r Withering speaks of it in the highest terms. — Coercion has been used with advantage by Doct^r Willis in the case of the present King of England. It should only be used when every other remedy has failed, it acts only in consequence of the fear it produces. The late Doct^r Gregory used to mention a remedy used by a farmer near Aberdeen in Scotland, which was, to yoke a number of madmen together like horses and make them plough the fields. It acts only by weaning down the excitement of the system — 'tis a cruel remedy. — This disease is as much under the Power of medicines as even a Pleurisy, or common Intermittent.

The remedies of Atonic Madness are

- 1 Warm bath. As there is much torpor in the system it must be used many weeks continually, after which the cold bath may be advantageously employed. —
- 2 Wine and Siccine Spirits. When this state of madness is brought on by intemperance then are the first remedies.
- 3 Opium is a useful medicine. Doct^r Anthony Fothergill prefers the use of Henbane in this disease on account of its not producing consternation. —
- 4 Blister & caustics to the neck. I am disposed to think caustics a valuable remedy, they act by exciting a new action. —

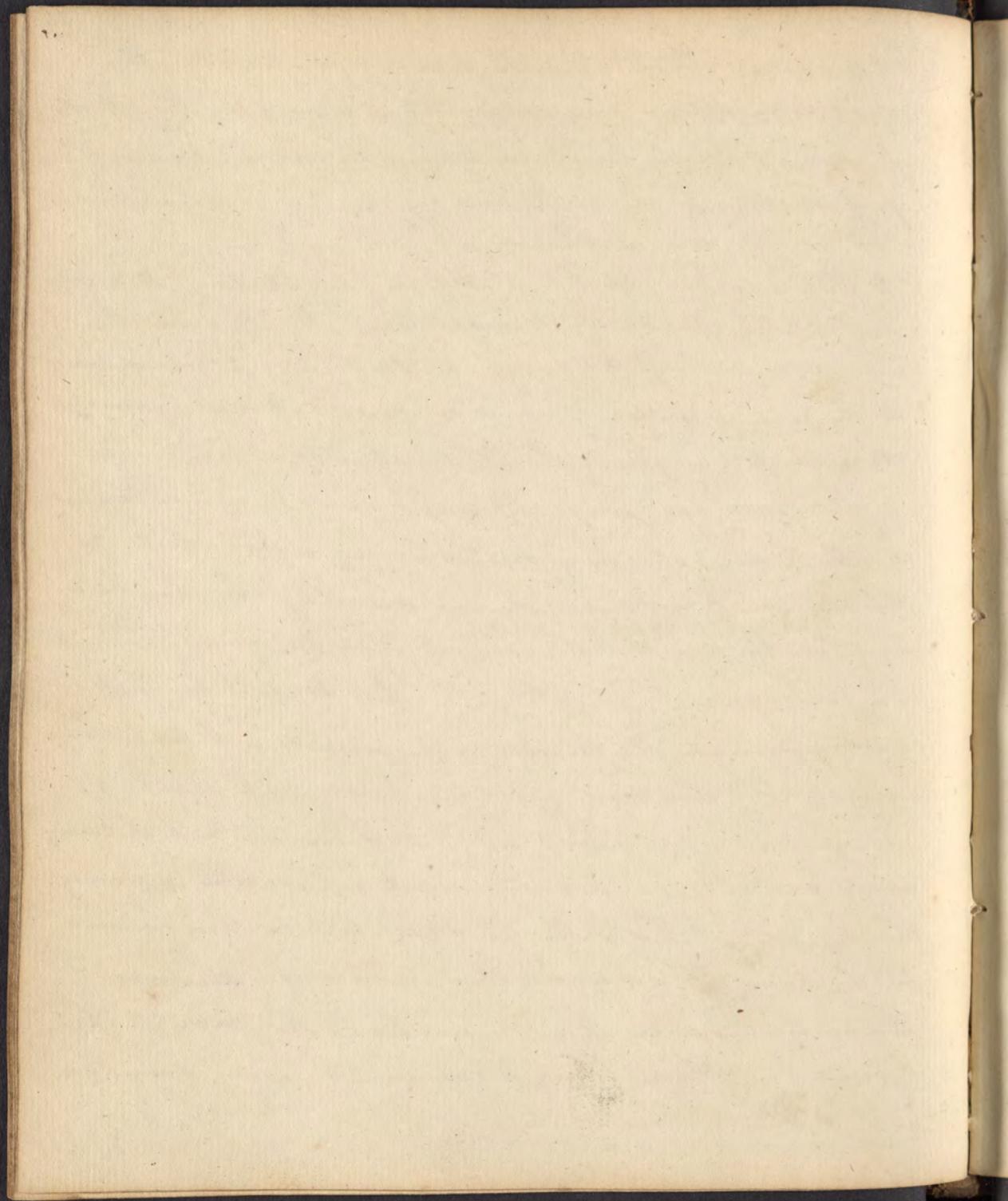
I mean

5 I mentioned Doct: Perry's having compressed the carotids in tonic madness. What would be the effects of compressing the jugular veins in acromic Mania? Few maniacs die without returning to their reason. Few men die without a fever. — —

6 Pictures might be excited in this state of Mania with good effect. 7. Music this should be of the chearfull kind — 8 Exercise should be used to ensure sleep in the form of walking, riding on horse back or in a carriage, cleanliness & neatness, should be strictly observed. — —

9 Salivation has been found very unusefull in acromic Mania 10 Bartholine speaks of Strips having a good effect in this disease. It not only acts by irritating the skin but produces Anger. It has been said that Madness when cured is apt to return. So is Bleeding but Doct: don't on that account despatch the lancet in this disease — It may be easily avoided constant agreeable employment should by all means be procured. — Doct: Willis and Doct: Geddington in England have acquired much reputation in curing this disease — They take the Patients into their houses and by having them under their immediate direction they accommodate their remedies to the state of their System. — Permit me to recommend to you similar acts of Philanthropy. —

By all



98

By all means assert madness to be a curable disease, by so doing the patient's friends will seek assistance much earlier. In asserting Mania to be a curable disease I do not say this always so far after it has continued many years we are often unable to do any thing; we should not however neglect such Patients, for by the continued use of tonics I have had the pleasure to see many desperate cases of Mania removed. — I have said that moral evils were the effects of debility in the moral faculty. This has been happily remedied in the new jail of this city. Let not medical science be behindhand.

Prognostics 1. Madness when hereditary has been said to be incurable, 'tis not so. I have cured several such cases myself 2. Madness from fevers, Parturition, drunkenness or Poisons readily yield to medicines. — 3. Madness from emotions are easier cured than from Poisons 4. The recurrence of any ancient habit is always & always a favourable symptom. 5. Symptoms of Hypochondriasis are always favourable, as madness like many other diseases goes off with the same symptoms it commences. — 6. A pain in the head occurring will give you just reason to prognosticate a favourable issue.

of A return of habitual diseases, a running or picking at the nose, moist skin, regular stools. The breaking out of old Ulcers or forming new abscesses in any part of the Body are all favourable symptoms. A Diarrhoea is sometimes favourable, an acute Fever appearing after the Patient has been sometime ill of mania is favourable, it excites a general action in the bloodvessels. — Interruptions and remissions of Mania are favourable. Treating of friends and acquaintances with mildness and affection is always a good symptom. Convulsions are always unfavourable. Weakness and defect of memory are owing to intemperance in eating and drinking. Except of course. Lesions of the Brain. chronic Ulcers, a contusion of the Head to the brain, Apoplexy, Palsy, Epilepsy, the inordinate use of Snuff, terror, oppressing the memory with too many words. Many Peoples memory is rendered worse by hearing learning & imposed upon them unaccommodated to the strength of their brains at early life. — Remedies are

To avoid all causes the causes we have mentioned frequently repeating different sentiments &c. Memory is assisted by calling, for instance we remember better when we both see and hear. Memory is much assisted by the principle of association. It is assisted by placing ourselves in the same posture we were in when we heard or thought of a circumstance.

It is affected by an association of sounds, of words and letters. For a further knowledge of this subject I beg leave to refer you to Lock, Reid & Beale. —

Memory is much assisted by frequently exercising it. Memorandum books should not be used in early life.

The Physical remedies are, if there be too much action depletion. if there be a deficiency of action Tonics.

Fatuity or Idiotism, I define to be a total deprivation of understanding and memory. Its proximate cause is an entire absence of action in those parts of the brain which is the seat of the faculties. It is sometimes congenial and when it is, it is most frequently derived from the mother. It is induced by old age for it is a melancholy truth that we are once men and twice children. You will perhaps smile when I talk of curing fatuity. But mortal time has cured it by the operations of nature.

Doit. Hunter of York in England relates a case of this kind. The attack of an acute disease sometimes perfectly cures fatuity, it awakens the mind into action. It has been cured by a fall. Burns, &c. — These are important facts as they shew the connection between the sensation and brain.

93

Connected with these remedies are an Tonic, as Chalybeats, Bark, cold and warm bath. Are there any Medicines that produce a specific action in the Brain? Stramonium has this effect and might be administered with advantage. What would be the effect of repeated fits of intoxication? Fatuity from fever is readily cured. Here it is generally relieved in the course of a short time without any remedy. - But should nature not remedy it, the cold bath will soon effect a cure. Fatuity from old age cannot be cured but it can be prevented by constantly exciting the mind on some important subject. Fatuity is more rare in cities than in the country, as company and exercise of every kind may be had more easily. The Moral faculty is much more vigorous in old age than in any other term of life. This among others might be employed as an argument in favour of the different faculties possessing different portions of the Brain.

Diseases of the Moral faculty.

For their symptoms and causes I beg leave to refer you to my 2 Vol. Med. Eng. When I delivered that Oration it was recited by the citizens and Philosophers of Philadelphia. I have however loved to see its adoption by the Legislature of Penn^a in the new jail of this city

City where science and reason go hand in hand. —

Diseases of the passions are most frequently attended with an excess of action, sometimes however there is a deficiency — In this last case tonics should be used. Pain being excited might probably be attended with good effects. When there is inordinate action as in the former case, they are to be treated according to the state of the system in the following order 1 Love. 2 Grief. 3 Anger. The passions are nearly as contagious as the small pox and measles.

1 Love in its early constitutive disease. It discovers itself in an aptitude to blush frequent sighing &c. If a woman retires to shut herself from the presence of a Gentleman you may be sure she loves him. It is equally a sign of love if she is always or avoids looking at him. After the formation of this passion the object beloved is never the subject of a dream and neither can the lover in the absence of his mistress bring to his recollection a single feature of her face. —

CURE, When there is much sighing, restlessness and fever you should have recourse to bloodletting and Blistering —

Ovid advises what he calls binam Amicam for as force expells fire, Pity, Pity, so Love expells Love. Ovid always advises a lover to think much of the bad qualities of the beloved. If she has a bad voice begin to get her to sing & do any thing to expose her, avoid her company. —

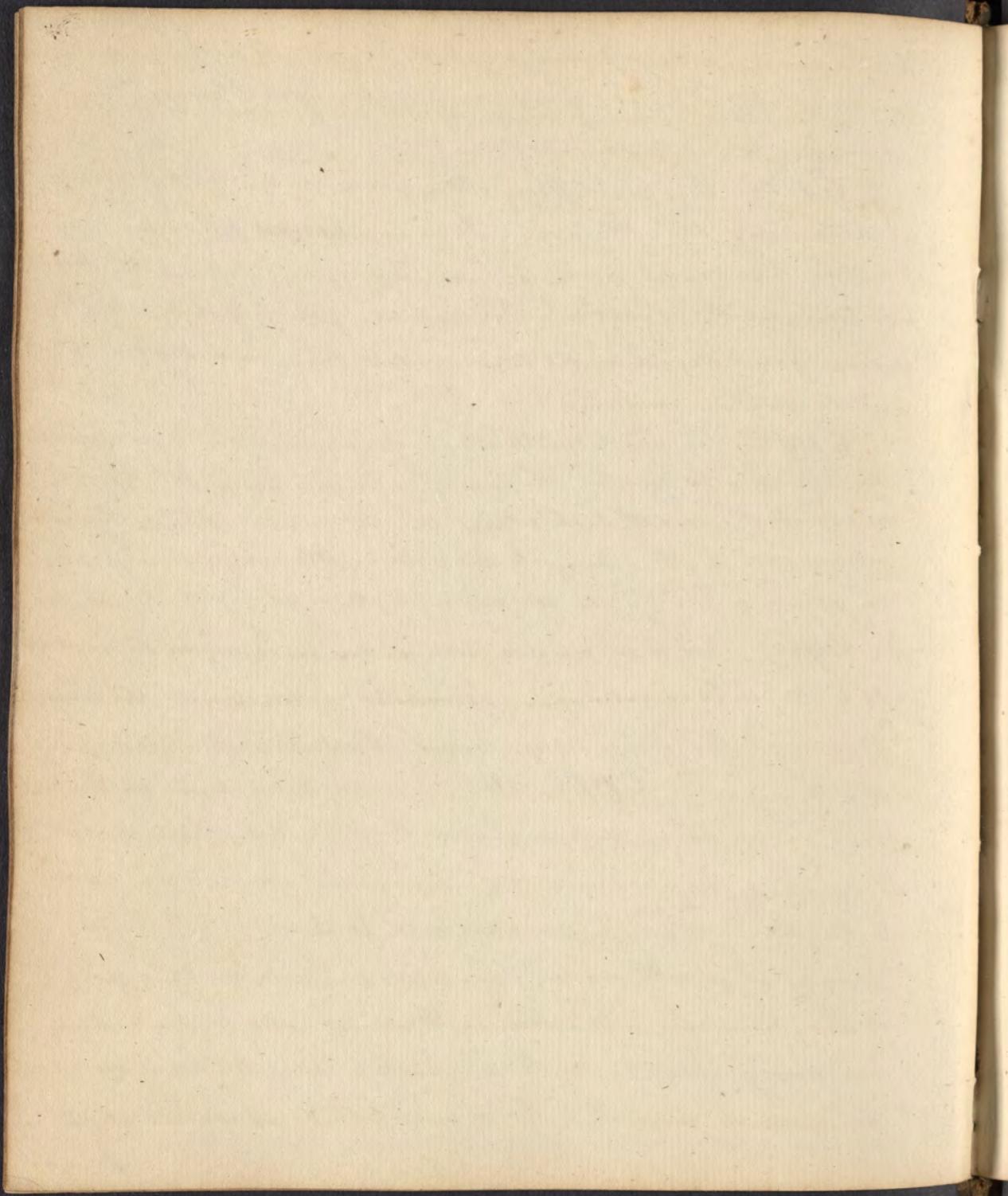
take a voyage or long journey. Hope should be entirely destroyed. Love may also be cured by exciting a stronger Passion or ambition, resentment &c.

2 Grief. Our profession often gives us an opportunity of witnessing this Passion. It is implanted for useful purposes. It sometimes produces fever, Syncope, Dyspepsia, Hydrocephalus &c. Tears are the usual signs of Grief, but intense grief deserves no tears, until there is a degree of Direct debility induced.

CURE The book called The mourner should be resorted to. It is improper to remove the person distressed from the house in which the death took place, the mourners should by no means attend the Body to the grave. Opium, conversation on general tho' by no means on light or merry subjects. —

3 Anger. This is injurious only when in excess. It produces red eyes, livid countenances, slavering, agitation of the hands, tumors of the body, convulsions, Hysteria, Apathy and death. —

CURE Religious conversation before they carry their passions any length let them say the Lord's prayer or count 20. This will give time for reflection. Fear is an antidote to Anger. A large draught of cold water, this acts as a sedative and gives time for reflection. Dashing cold water upon an angry person. An irascible disposition may be entirely removed by a milk and vegetable diet. —

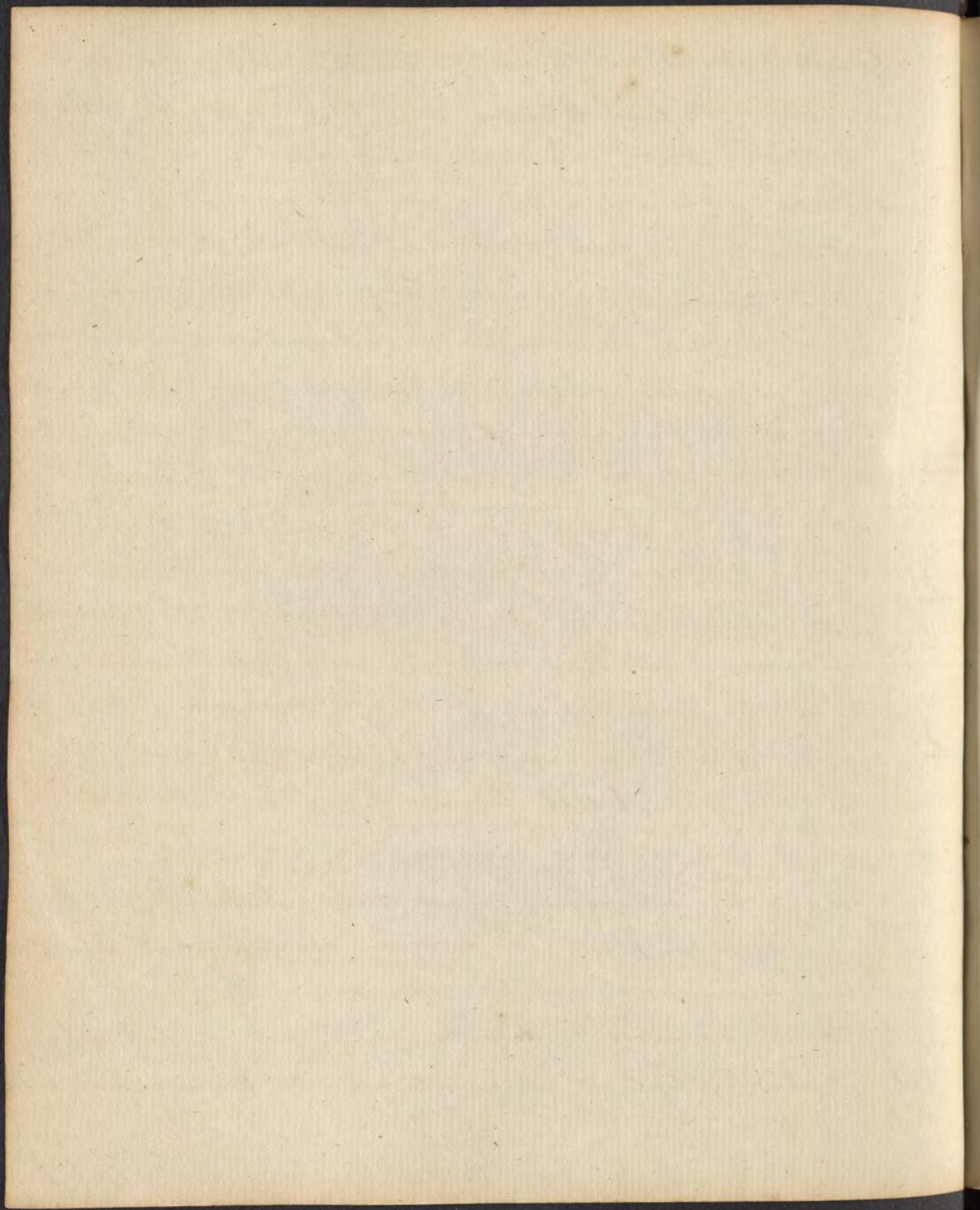


Spirits and Wine should be avoided. When anger is connected with fear Opium may be serviceable. Angry people should speak very slow. —

^AFear was implanted in us for the usefull purpose of defending us from danger &c. It is a disease when it exists in excess on proper and improper occasions. —

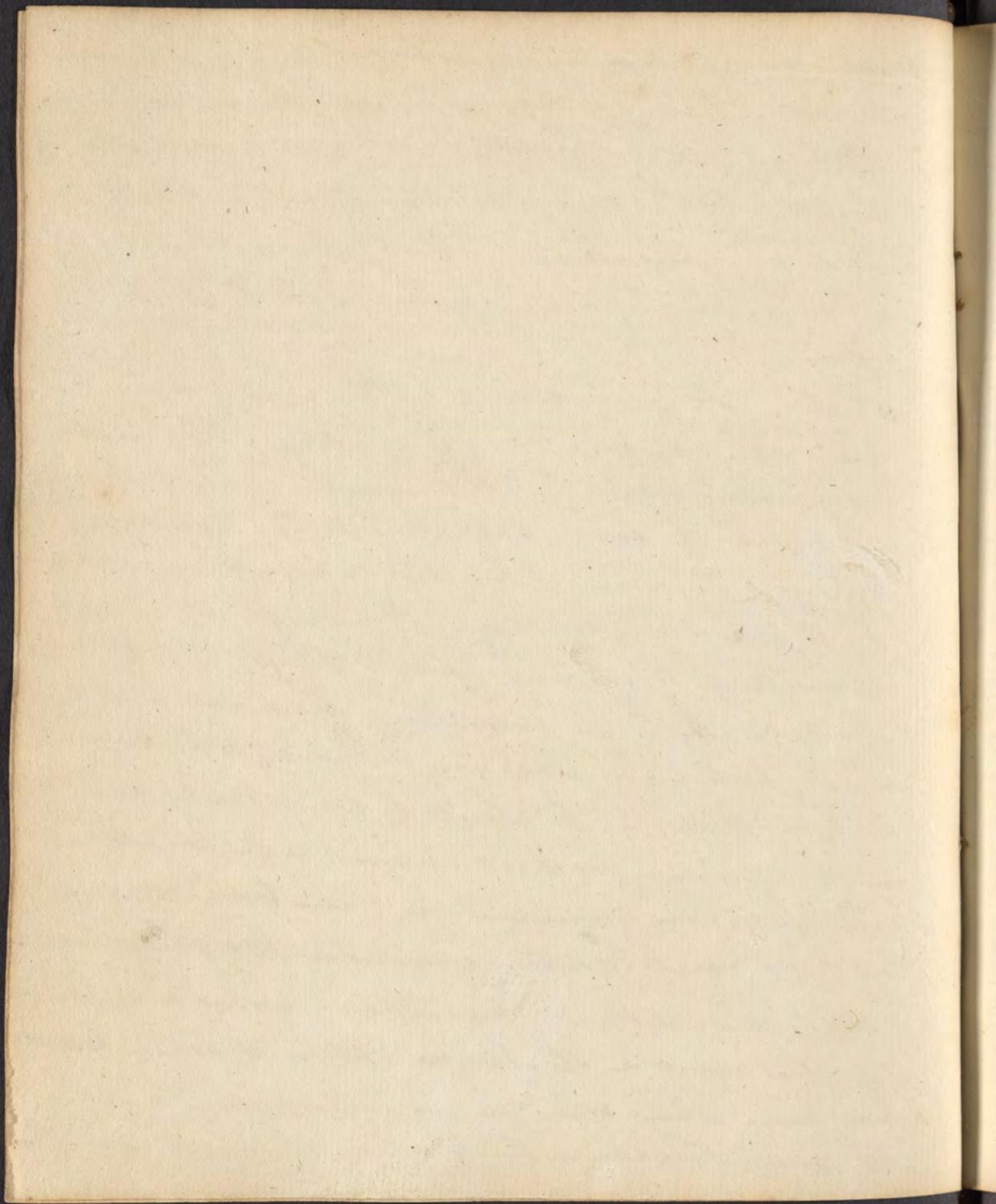
The effects of fear are paleness, Tremor, increase of urine, a short cough, syncope, asphyxia and death. — It raines the hair and even makes them gray in a few hours. It has produced Suicide. Its presence suscites all other passions. Those most subject to fear are those who are generally most cruel. To prevent it Children should not be inured in darkness. Servants who terrify children with Ghosts and Hobgoblins should be banished from families. The continuance of fear is owing to education and must always be removed by resolution. — ^{CURE.} Generous or low diet with exercise and due attention to cleanliness according to the prevailing disease have wonderfull effects in fortifying the system from fear. The frequent escapes from Death increases or does not lessen the affection of the mind. — We should endeavour to impress the minds of those who fear death that no pain attends it. Opium has a wonderfull effect in composing the fear of Death. —

It also



It also always allays the fear as well as the pain of surgical operations. During contagious diseases let me advise you never to carry smelling bottles with you; because should you at any time neglect to carry them the fear excited will be very prejudicial. Always be employed at something and put a firm reliance on the protection of Heaven.

5. Joy. It is the duty of a Physician to prevent its sudden operation on the system. This emotion is sometimes attended with pain in the region of the heart a change in the voice, tears syncope and Death. — During a Paroxysm of Joy if it be attended with danger to life, a new emotion or Passion should be excited particularly terror, anger, fear or Grief. The application of cold Water, or the Stimulus of artifical pain should be tried in a manner calculated to produce prompt effects. — It should be prevented by imparting the news in a gradual manner with the alloy of some unpleasant circumstance. — Connected with Joy but produced by diffeirent causes is Laugher which is a convulsive disease and sometimes induces a rupture of a blood vessel in the Lungs, Spleen, or Brain. Cure fear terror or any other counter impression. Pinching the Body. Sardanum mostly relieves the pain, however ^{the} follow.



6 Envy and Malice seldom shew themselves externally.
Vide Vol. 2. of my enquiries. —

7 Lust. This is intimately connected with moral evil. It is deeply seated in the constitution, it is implanted in us for the propagation of our species, when in excess it should be moderated as it then produces. Tremor, flushed countenance, nocturnal pollution, Onanism, mania and Death. — The cause of this Passion is high living, excess in drinking, indolence, a sedentary life. Women's passions are increased by weaving. These are the causes in Plethora habits. It arises in debilitated habits from fevers &c. —

Cure. 1. Harmony and fidelity to the marriage bed. 2. Low diet. 3. Labour or constant exercise as long journeys on horseback. I mean men only. 4. The company of virtuous chaste Women. 5. Are there any medicines which will lessen this appetite. Castor oil has been recommended but I believe it possesses no other properties than a mild laxative. — Camphor has been used. That there is such a medicine I have not the smallest doubt. 6. Perhaps when there is a state of constitutional debility the cold bath might be employed with advantage. Such

Persons

5

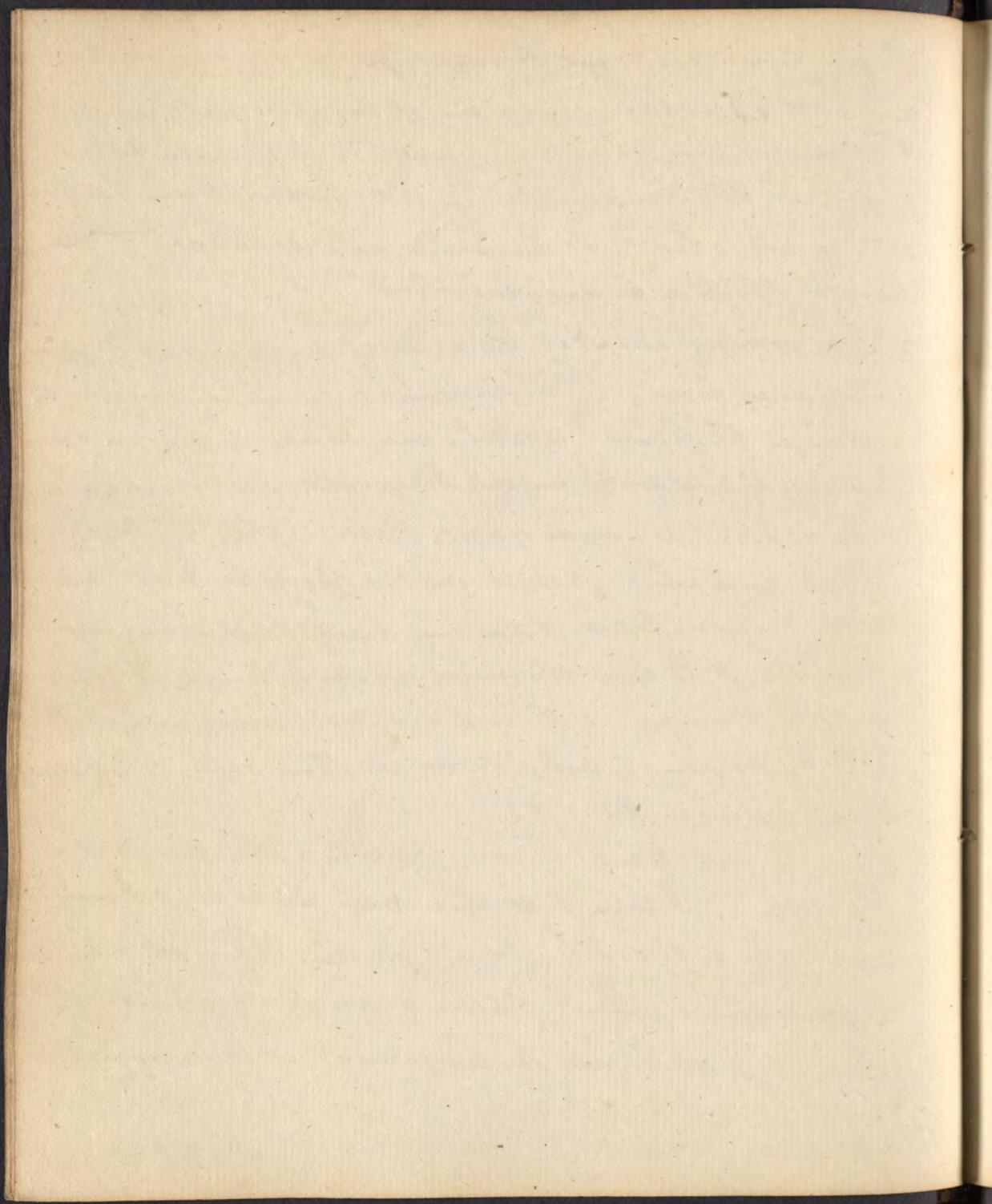
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Persons should always be employed at business or study.
or Dr. Boerhave says a fit of laughter will remove it.
8. A Salivation should be resorted to. 9. Certain tones
of Music 10. Lascivious thoughts, conversation, books
and prints should be banished and dalliance with
females should be avoided. —

8. Dreaming and Nightwalking are diseases of the
mind and body. — The proximate cause is unequal
action in the brain. — exciting causes are hearty suppers
or going to bed with empty ¹ Stomachs, an inclination
to go to stool or make water, Noise, light, tight lig-
atures and impressions on the Body or Ear. —

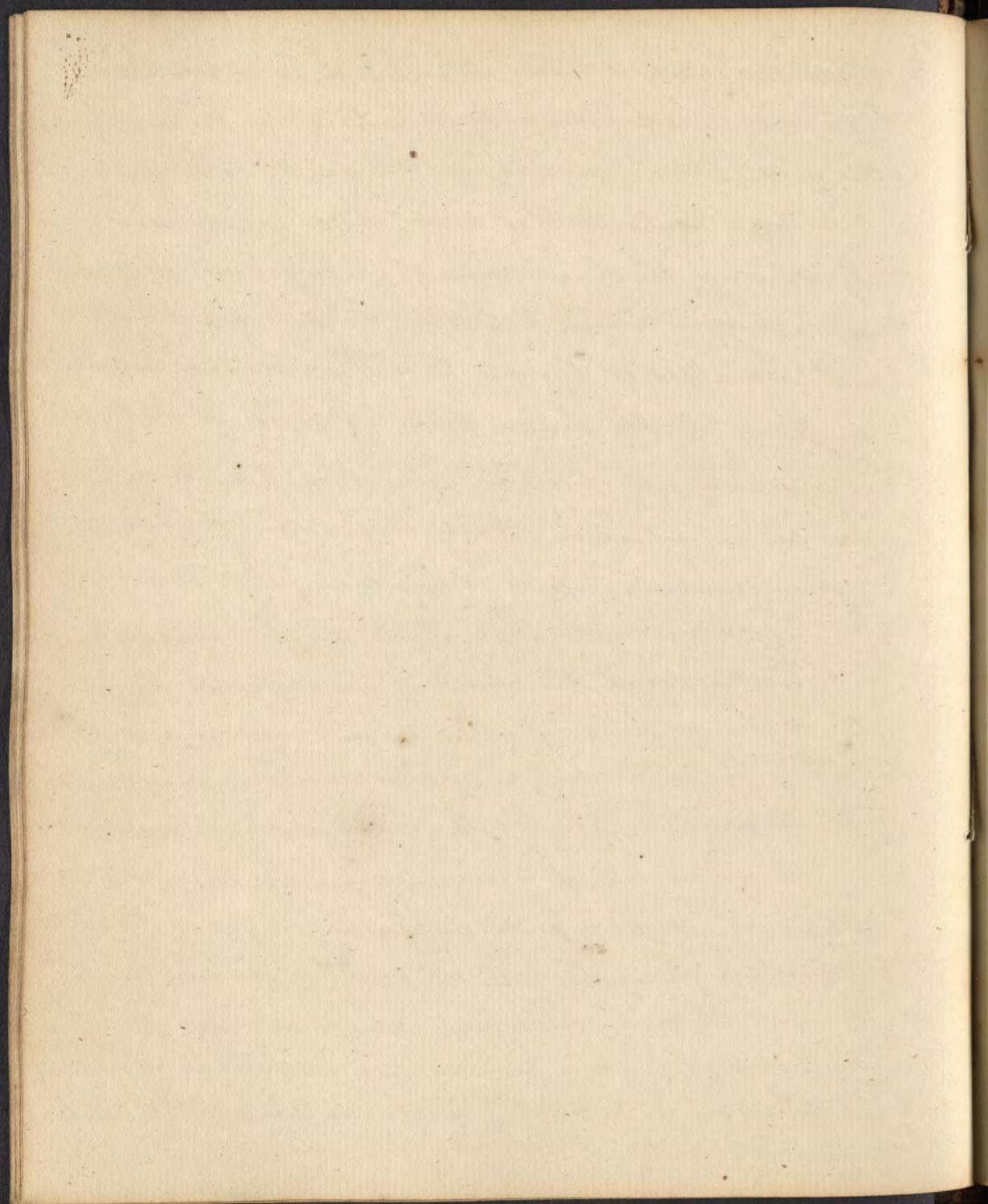
CURE. Constant labour 2. avoiding hearty suppers and empty
Stomachs. 3 If from too much action a purge 4 If from
too little Opium. 5 I have heard of somnambuli being
cured by placing a tub of water in their room but letting
them previously know it.

Thus (Genl) I have finished the diseases of
the mind. I have felt these some days as if I were
sailing in a balloon. I have passed through an
untraversed country. I have given you a glimpse of
the way permit me to recommend it to your future
consideration: —



7 Apoplectic state of fever. It occurs from many causes. - The remote causes of Fever will produce it, as the contagion of the yellow Fever, small pox, Plague &c. The contagion of Influenza disposes that way. If a person die suddenly during the prevalence of contagious diseases, you have good reason to believe he died apoplectic from the causes of Fevers. - The Proximate cause is pressure on the brain from effusion of Blood, Pus, or water, all of which have been found in large quantities on dissection. When there is an effusion of blood from ruptured vessels it has been called "Extravasation". When they are overstrained it is called "Intravasation". Doct^r Cullen says the symptoms are different according to the different kinds of effusion and require a different method of cure. He supposes the serous indicates the use of Stimuli, while the sanguinous require depletion. Much mischief has been done by these distinctions and should be rejected as leading to fatal practice.

1 Apoplexy from the cause of fever ^{may} be known from the time of the year in which it appears and other marks of fever. 2 Intemperance in eating or drinking 3 Contusions. 4 Mephitic air or carbonic acid Gas. -



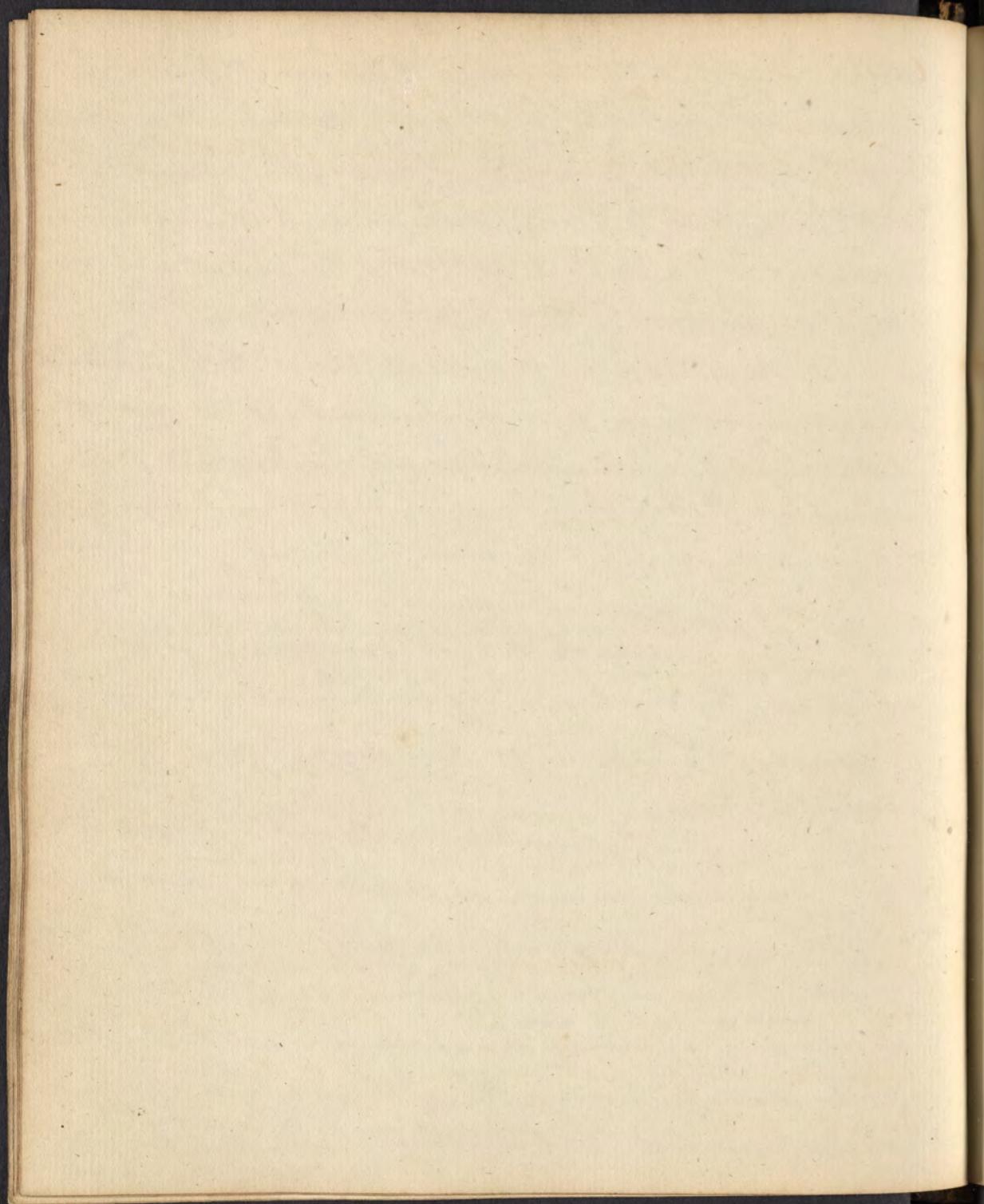
5 Fumes of lead and mercury. 6 Opium, 7 Smoke of Tobacco. 8 Isolation. 9 long application. 10 suppression of habitual hemorrhages particularly Hamorrhoids. 11 Those subject to Gout, particularly if they escape an attack of it, are liable to Apoplexy. These are all remote causes. — The Exciting causes are,

1. Intoxication. 2. tight ligatures. 3 Indigestible food or matter taken into the Stomach. 4 Anger. 5. Hot bath. 6 Exercise as dancing &c. 7. Long and loud speaking. 8 Wet feet. — There was an instance in Philo of Anger being the cause of ^{a fit of} Apoplexy in a shomaker. — Also of wet feet bringing it on a vendor master.

This remarkable that the same causes produce Apoplexy, Hydrocephalus, Hydrocephalus internus, Phrenitis, Phrenicula &c according to the predestination in the system.

The premonitory symptoms of Apoplexy are head ache, drowsiness, Negligence, dull or obscure vision, sudden darkness passing before the eyes. Faulting tongue, tremors, full respiration &c. Remedies for removing these precursors are 1 Bloodletting 2 Low diet. 3 Purging, this I believe in many instances is preferable. 4 Vomiting. —

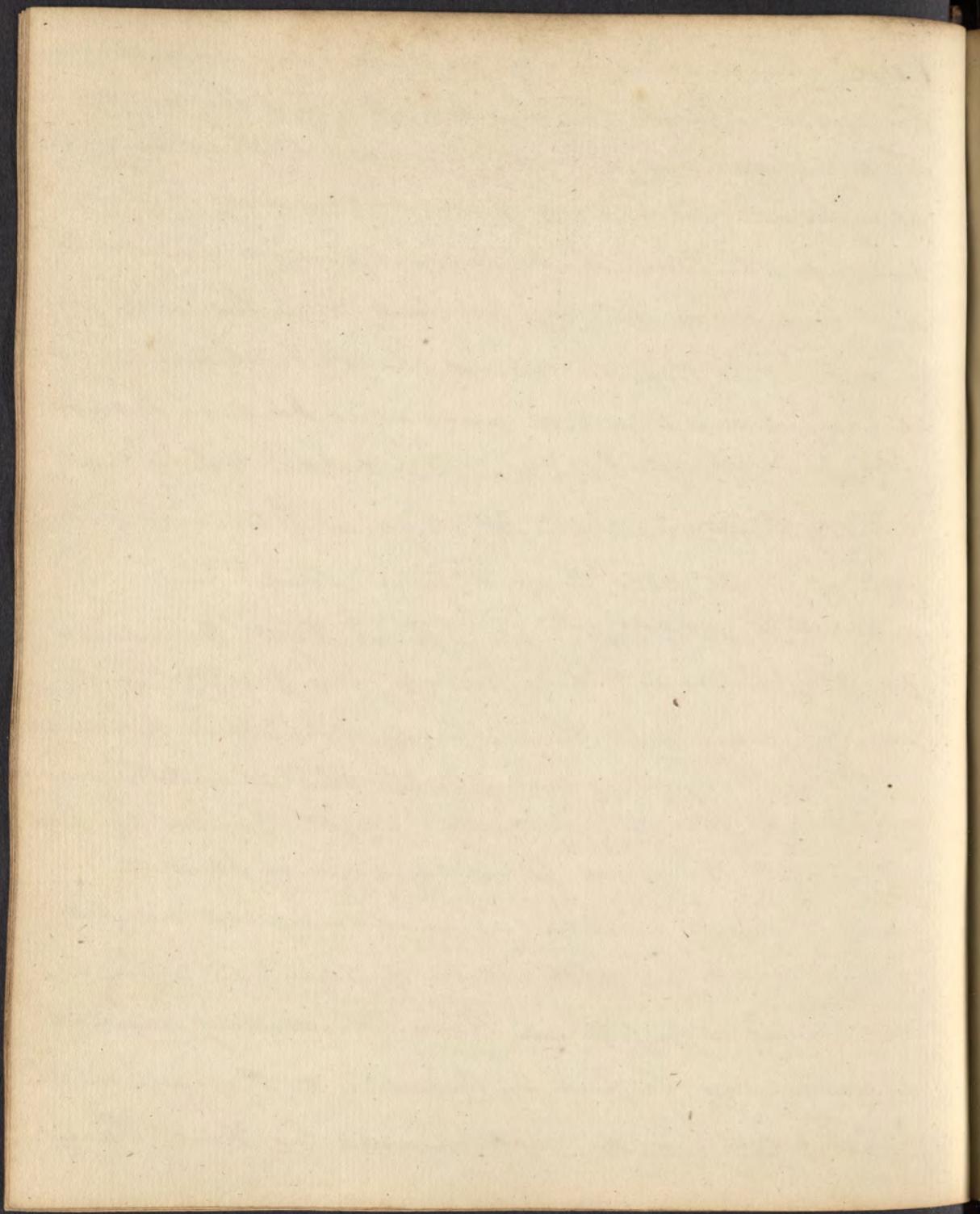
Cure



CURE. - The pulse is mostly full, hard and tense, sometimes however it is weak slow and depraved and the greater the depravation the worse the disease. 1 Bloodletting, the quantity should be large or small according to the symptoms; it should be larger when it proceeds from contusion than when debility precedes it. - The Temporal Arteries and jugular veins should be opened. Opening a vein however in both arms will I believe be sufficient. - All the blood that is intended to be taken should be drawn immediately. I believe disorganization will very readily take place. -

Doct^r Physii drew from Doct^r Dewees in an apoplectic fit between 90-100 3. of Blood at one bleeding and thereby perfectly restored him. -

When the pulse is depraved the blood should be drawn gradually though constantly. Doct^r Brown has happily used the gradual application of Stimuli in cases of direct debility. There is an equal necessity for the gradual abstraction of Stimuli when the system is depraved. - When Bloodletting cannot immediately be put in practice or pressure on the Carotid arteries as recommended by Doct^r Parry.

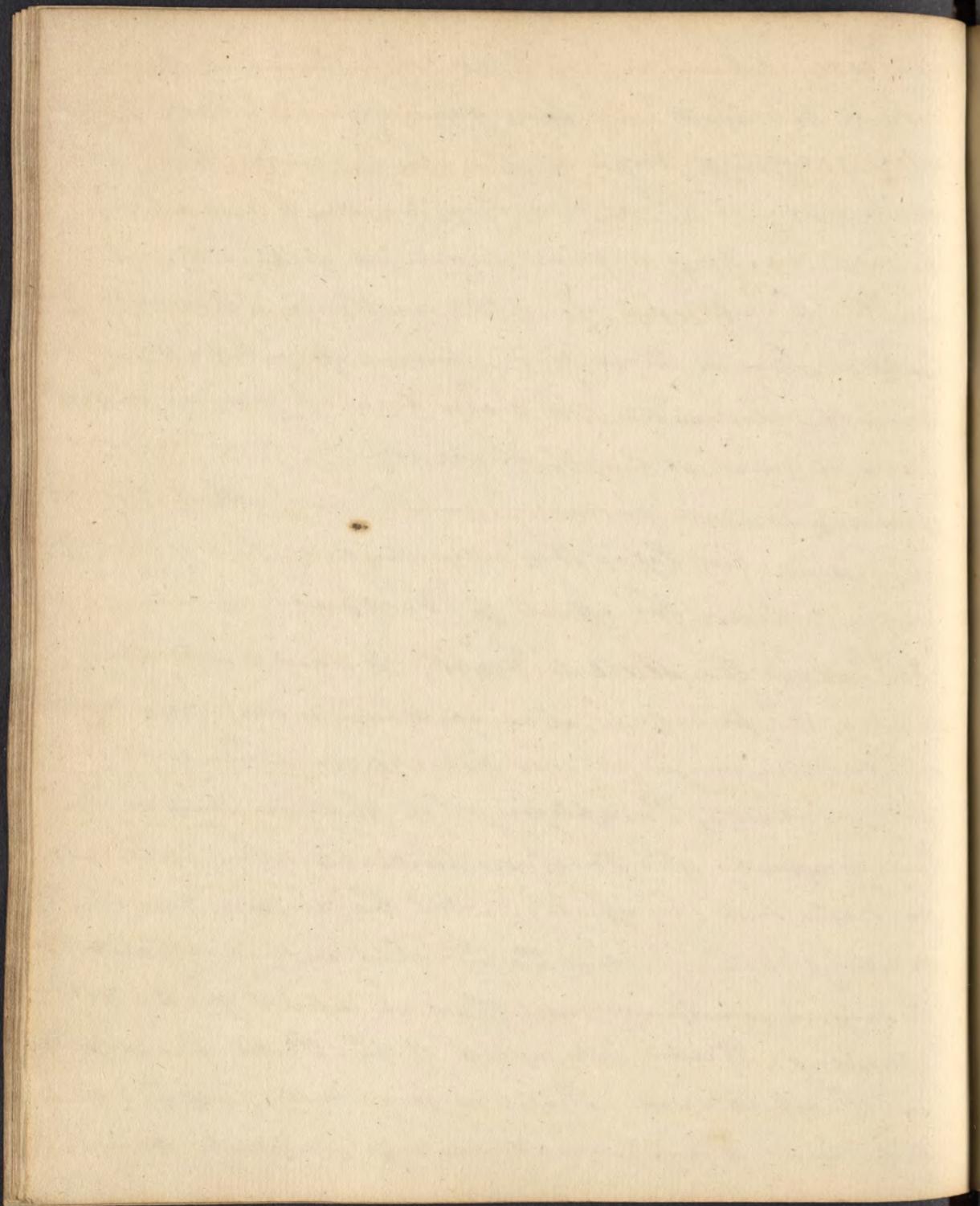


Doct: Glentworth once used this purgative with advantage. The patient should be set with his head erect and all ligatures should be removed. 3 Vomits they were recommended by Doct: Sothergill; if it proceed from an offending matter in the stomach, they are highly proper. I have never used them. The best way to excite vomiting here is by inunction. In the Throat either with a feather or finger. 4 Purges. They should be of the active kind, they invite blood from the head to the intestines. 5 Glysters of a stimulating nature. 6 Cool and cold air. 7 Cold water to the head. All unnecessary attendants should be despatched. If we have been called in too late for bleeding we must have recourse to stimulants, as. 1 Actual cautery. 2 Cataplasms. 3 Salt put into the mouth. 4 Fresh air. 5 Stimulating Glysters. 6 Electricity. 7 Certain sounds. 8 Frictions. After Patients are cured a crowsness frequently follows. Setons should then be used. To prevent a recurrence of this disease. 1 Temperance in eating and drinking should be enjoined but not abstinently. Meals should be moderate. Absence of stimuli here as frequently produce congestion as their application.

2 Indigestible food should be avoided. 3 A change of food should be avoided in those disposed to Apoplexy. The Stomach is a strange viscus and seldom receives changes kindly after forty years of age. 4 Drunks should be gently stimulating as diluted Madeira Wine which has been called the milk of old age. - 5 No. of Onions and garlic I think are serviceable. I have known a vertigo perfectly cured by taking a clove of Garlic every morning. 'Tis said a teaspoonfull of honey or any kind of syrup if taken after will prevent its affecting the breath. 7 Spins or Seafans. - Violent exercise, intense study, cold feet, crowded assemblies &c should all be avoided, habitual customs as smoking &c should be discontinued. The third fit of Apoplexy is not as has been generally supposed incurable, fatal, for I have known a person have six fits. Hippocrates has very justly observed that apoplexy without fever is much more dangerous, than with fever. This you can readily conceive, the greater depression the greater the danger & the less Fever. 8 Gentle exercise should be used. -

Cure, 1. vomiting by tickling the throat. 2. cold water to the head and body generally. 3. Fear. 4. and action excited by anger ^{or} if it can be greater than the intoxication. — Fear has been known to remove the effects of drinking so great quantities of spirits. A number of Gentlemen assembled together in a house on the bank of James' River ^{Virginia} having drunk freely, they were all intoxicated. The water began to rise in consequence of rain. at length the house they were in, was removed to some distance from the place where it formerly stood, but before they were landed they were all relieved from the effects of Bacchus.

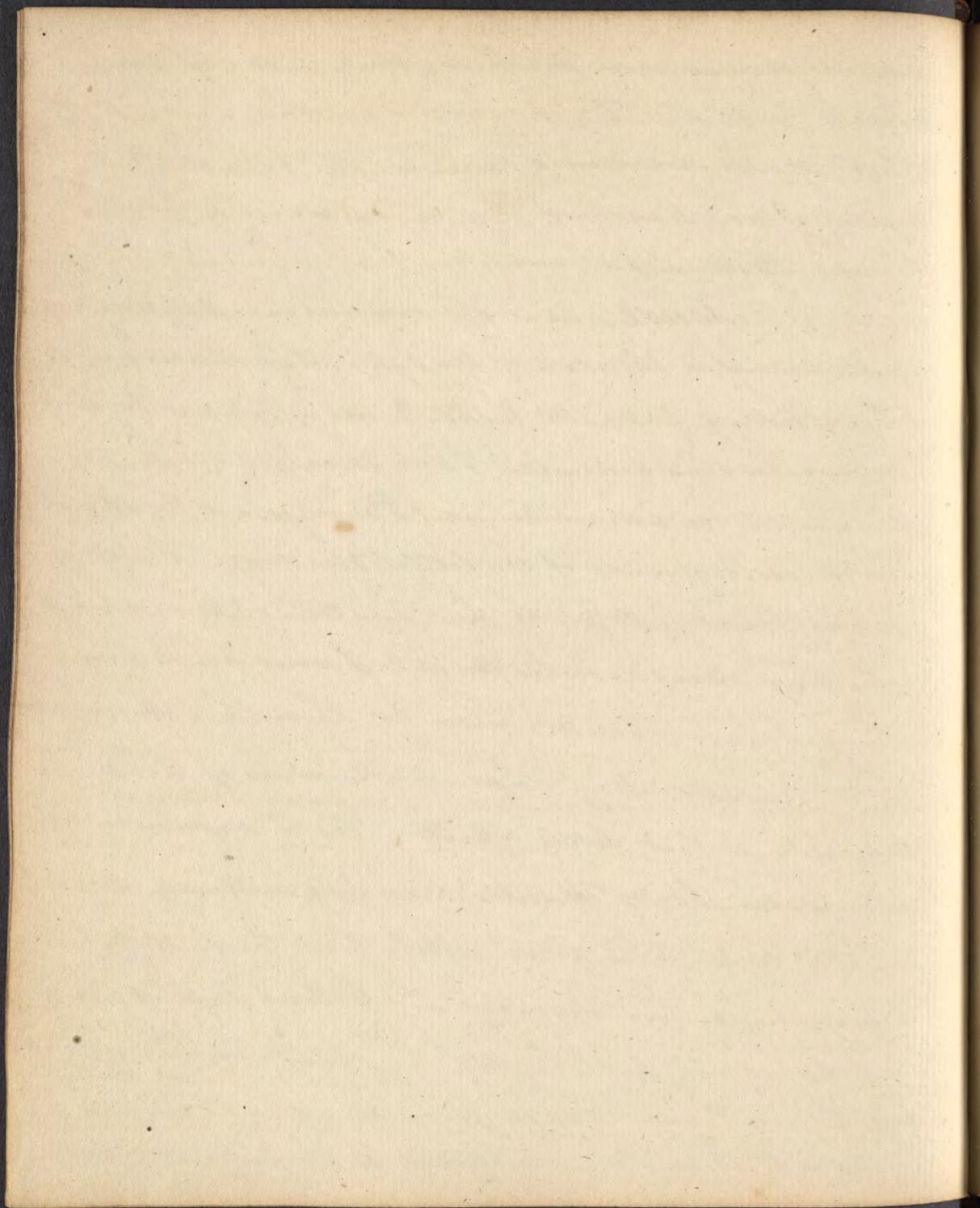
8. Paralytic state of Fever. It occurs frequently during the prevalence of an epidemic or contagious disease. Authors have divided it into Hemiplegia when only one side is affected, Paraplegia when the lower parts of the body is affected and Paralysis partialis when particular muscles only are affected. All the common remote and exciting causes produce Paralytic which induce Aprophy — Paralysis is nothing more than an inferior grade of Aprophy. Writers take notice of the Pulse being full in the affected side. Pulse is frequently full and tense sometimes depressed sometimes soft and nearly natural



It affects women more frequently than men. Children seldom have it. The precursors are the same as in Apoplexy. It sometimes succeeds the small Pox, Diphthery and Cattarrh in a slight degree and also the dry Bellyache. —

Cure, It is the same as in Apoplexy. — Attending to the state of the system at the time 1. Bloodletting from 100 to 150 \mathcal{G} . are necessary to be drawn in this disease — I am satisfied when it terminates in an invariable Paralysis or Death it is in consequence of too little Bleeding. A soft and almost natural pulse here instead of forbidding bleeding steadily calls for it. I don't know any thing I have profited more by than this observation of Mr. Hunter Viz. That in affections of the Brain the pulse is but little affected. 'Tis of immense application. If Mr. Hunter had left nothing more behind him, this alone would have been sufficient to perpetuate his memory. — Celsus says if a man be taken ill in high health he should be bled regardless of his Pulse. Lay it down therefore as a rule always to bleed in Palsey regardless of the pulse provided

you



107

you be called in early. — 2 Purging. The purges should be of the active kind. The late Doct^r Bond always preferred purging. Aloe is the best of this class as it exerts a strong action in the rectum. 3 Nitre, Calomel and Tartar emetic may be given with advantage. — When morbid action is entirely or nearly subdued, Stimulants these are either external or internal — The external are 1 Cold bath. 2 Warm bath. 3 Mustard and Horseradish. 4 Liniment of Cantharides and Ether. 5 Frictions. —

The internal are 1 Col. salts. 2 Tinct. of Gum Guava. 3 Salivation 4 Violent hiccups and convulsions. —

Favourable symptoms are 1. a prickling sensation in the part affected. 2. Pain. A sweating of the limb is unfavourable. —

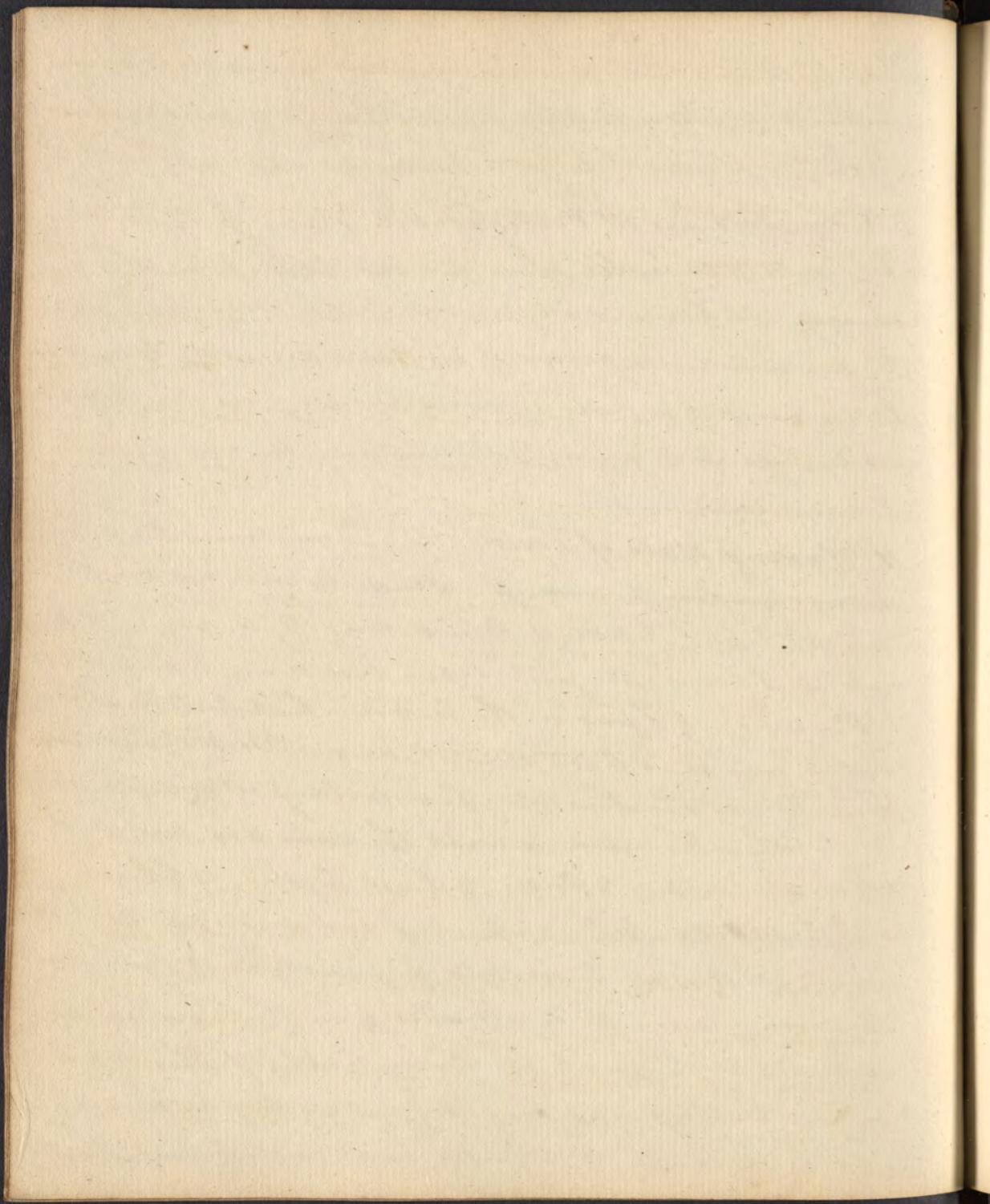
Paralysis is sometimes occasioned by the fumes of lead, neglected or half cured rheumatism. Allages are subject to it. Tears are sometimes shed by the eye of the side affected. I once saw the tongue on the affected side of a whitish colour, while the other side of the tongue kept its natural colour. Blisters on the head and Neck and Vomition when the head is affected, scattons, salivation, excitement of the stimulating Pappions, Terror, Electricity, after the pulse is reduced stimulating diet and medicines — sometimes cured by other Fevers. — Prophy

Prophylactic remedies are necessary here as well as in apoplexy - viz. Stimulating where there is debility and depleting where there is a fullness. —

9. Comatose and 10. Vertiginous states of Fever, they are to be treated in the same manner as the former, only endeavoring to accommodate remedies to the state of the system. They are only lower grades of the same diseases. Coma in the beginning of fever requires bleeding, in the latter and low states it requires stimulants. Vertigo requires the same treatment. —

11. Waking state of Fever. This is sometimes the prominent symptom of madness. Studious men are most subject to it. Cure, 1. Bloodletting 2. Silence. 3. Dark nap 4. Labours used just before bed time, 4. Low diet. 5. Piercing. 6. lying on the back in which position muscular action is least stimulating - Doct. Franklin's remedy was thinking on what field just before harvest.

When the action is weak the remedies are 1. A moderate supper. 2. Porter. 3. Laid. Liquor. 4. Cheese. 5. Afsapatida. 6. By imparting equal excitement to the whole system as by walking frequently across the room this wears down the excitement from the brain and diffuses it through the lower limbs. 7. Thinking on one subject and that not interesting as counting 100 backwards. 8. A gurgle noise as the falling of water.



The Post speaks of the Lewis suspirs of Bees. of Slipping on the side. 10 A monotonous sound, they produce no thought. 11 Light sometimes induces sleep. The stupid are not subject to this form of the disease. —

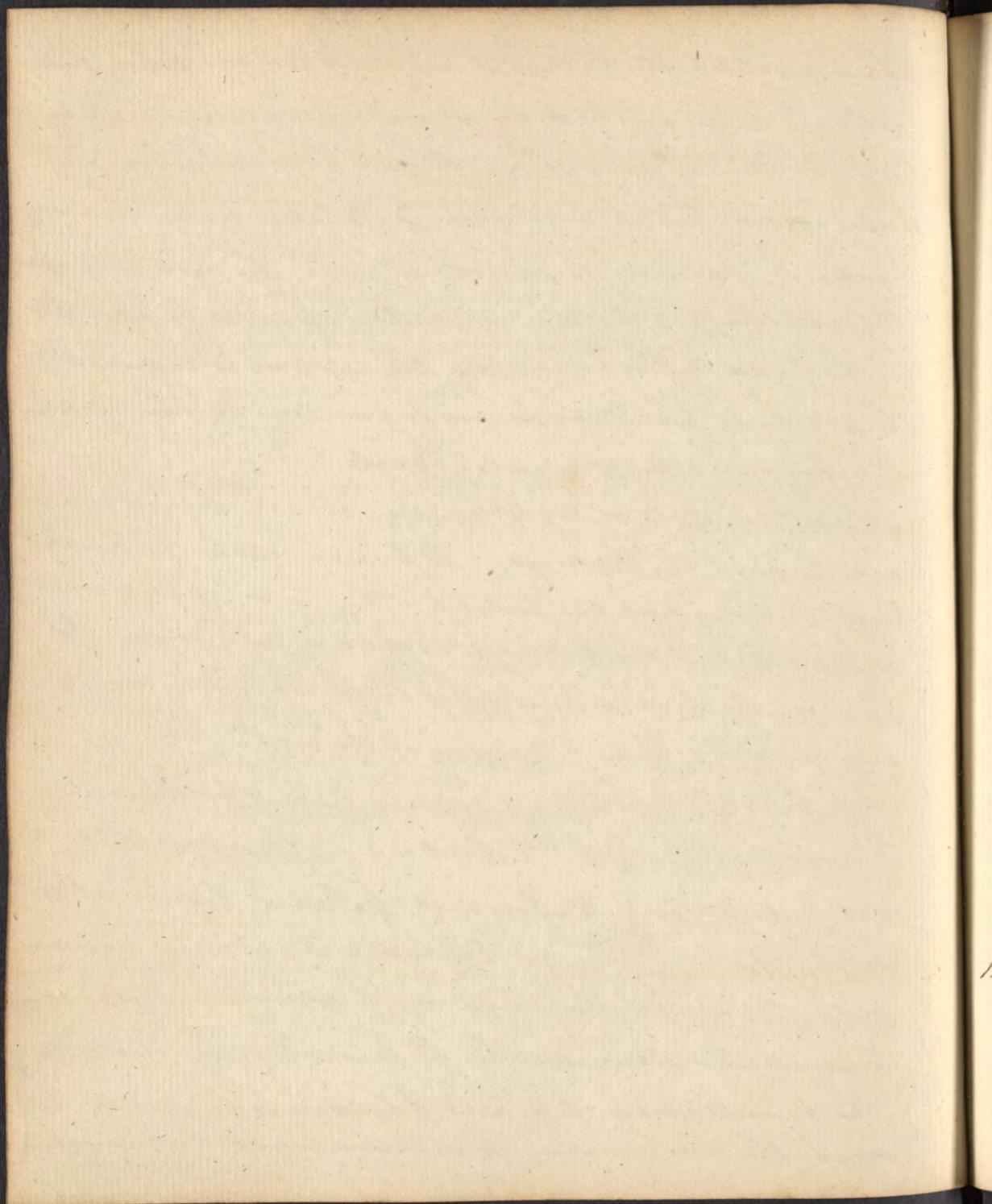
12. Hydrocephalic state of Fever. This affects children chiefly. It however appears sometimes in Adults. Dr. Rush attended a lady in 1801 from whom he took 100 Z. of Blood and afterwards salivated her and thereby saved her. It is frequently caused by blows and contusions. Tis however most frequently a symptom of Fever. — It occurs from the suppision of discharges from the skin, from consumption, from stopping a diarrhoea. The water in the brain is always the effect of Inflammation of that part, tis proved from all its symptoms. The pulse is hard, tense and slow. Vides my 4. Vol. Tis remarkable the pain and fever frequently go off before death, tis owing to an effusion relieving the blood vessels. — The effusions however react and produce convulsions. The remedies likewise prove it to be an inflammatory disease. CURE, 1 Blood letting this should be copious and frequent. Also cupping and scarifying all over the head should be used. Before I used bleeding in this disease I lost 29 out of 30 of my Patients, since I have

I have

I have adopted bloodletting I have not lost one when I was called in time and had an uncontrouled exercise of my judgement. 2. Purges, these should be given every day, Calomel and Jalap preferable. 3 Blisters to the head & neck. 4 Salivation should be used, tho' not till after Bloodletting. 5 Cold water or Ice should be applied to the head. 6 Perhaps after the system is cleaned the cold bath would be proper to give tone to the system and prevent a relapse, also Bark

13. Nephritic state of Fever, is generally the effects of worms or calculi in the kidneys. It however occurs in small pox, Gout, malignant fevers &c. There is an engorgement of the vessels of the kidneys, tis known sometimes by pain in the back, numbness of the thighs, retraction of one of the testicles, retention of Urine &c

CURE. 1 Bloodletting seldom fails of producing immediate relief. 2. Cold air. 3 Purges. 4 Glycerin are of great use. 5 Low diet. 6 Lava. Liquid after depletion. — When Nephritis is chronic as from calculi small bleedings are of immense service. — Gravel and stone might be prevented by bloodletting. The foundation of Gravel I believe to be nearly always, the consequence of inflammation in the kidneys. —

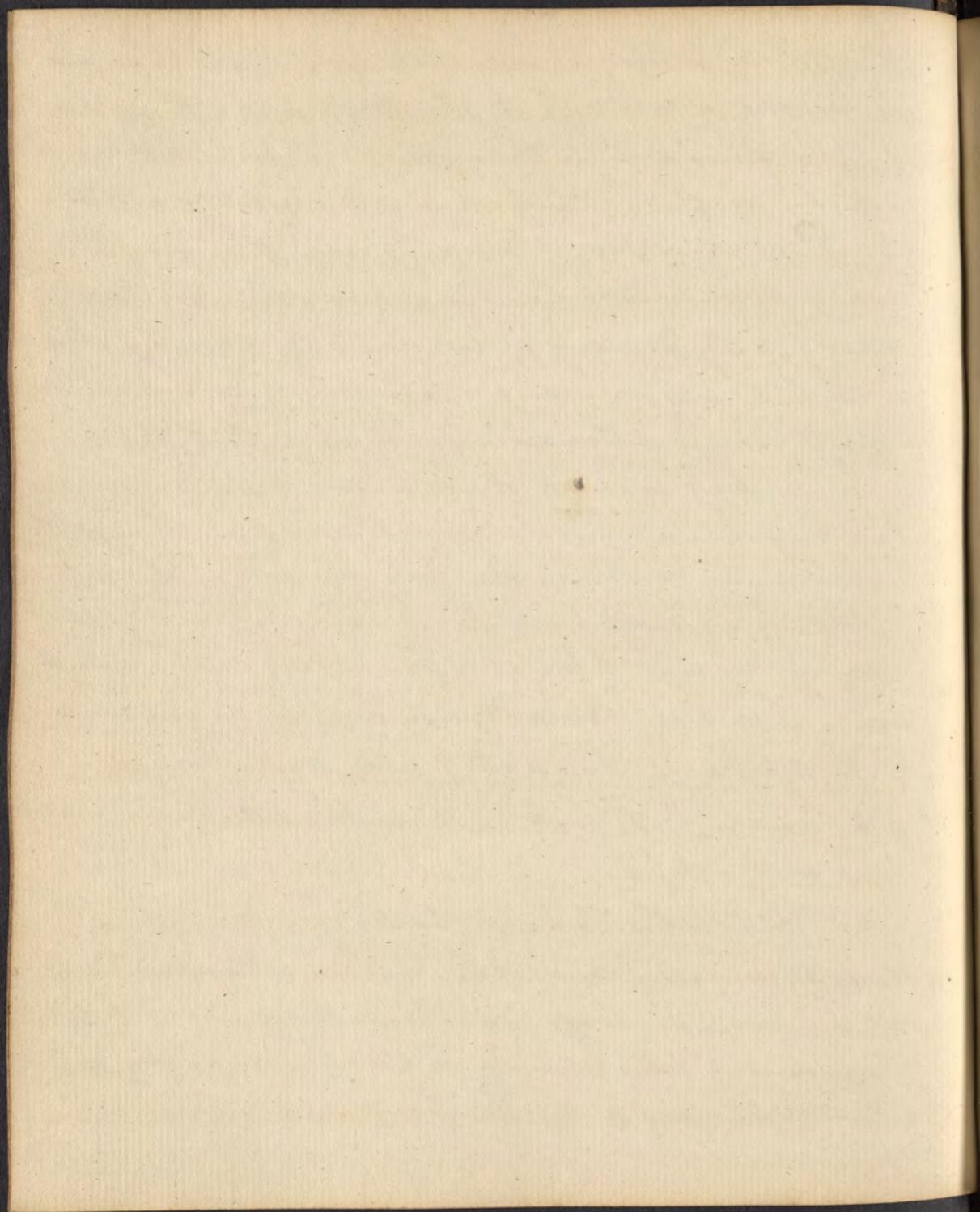


The effusion is blood or coagulable lymph, which forms the nucleus for a stone. We should be led then to deplete early in diseases of the kidneys. — There is a kind of calculus scatheris which should be carefully avoided by Prophylaxis, 1 avoiding every thing of an acid nature, as an acid is found frequently to be the basis of calculi. 2 By avoiding costiveness. 3 By avoiding sleeping on the back. 4 By avoiding a hard going horse or carriage. 5 Gentle exercise of that kind which moves the back chiefly. — 6 By drinking copiously of cold water; Green tea &c. have been recommended but I suspect they act from the water they contain; The Virginian springs are full in this way. — 7 Alkaline solutions and Lime water, they act by neutralizing the acid. 8 Certain bitters as Uva Ursi which I believe is the best, should be given during the intervals of the paroxysms. Bark itself and all other Tonics. 9 Cold water to the back with cloathes. 10. Avoid making water on the back —

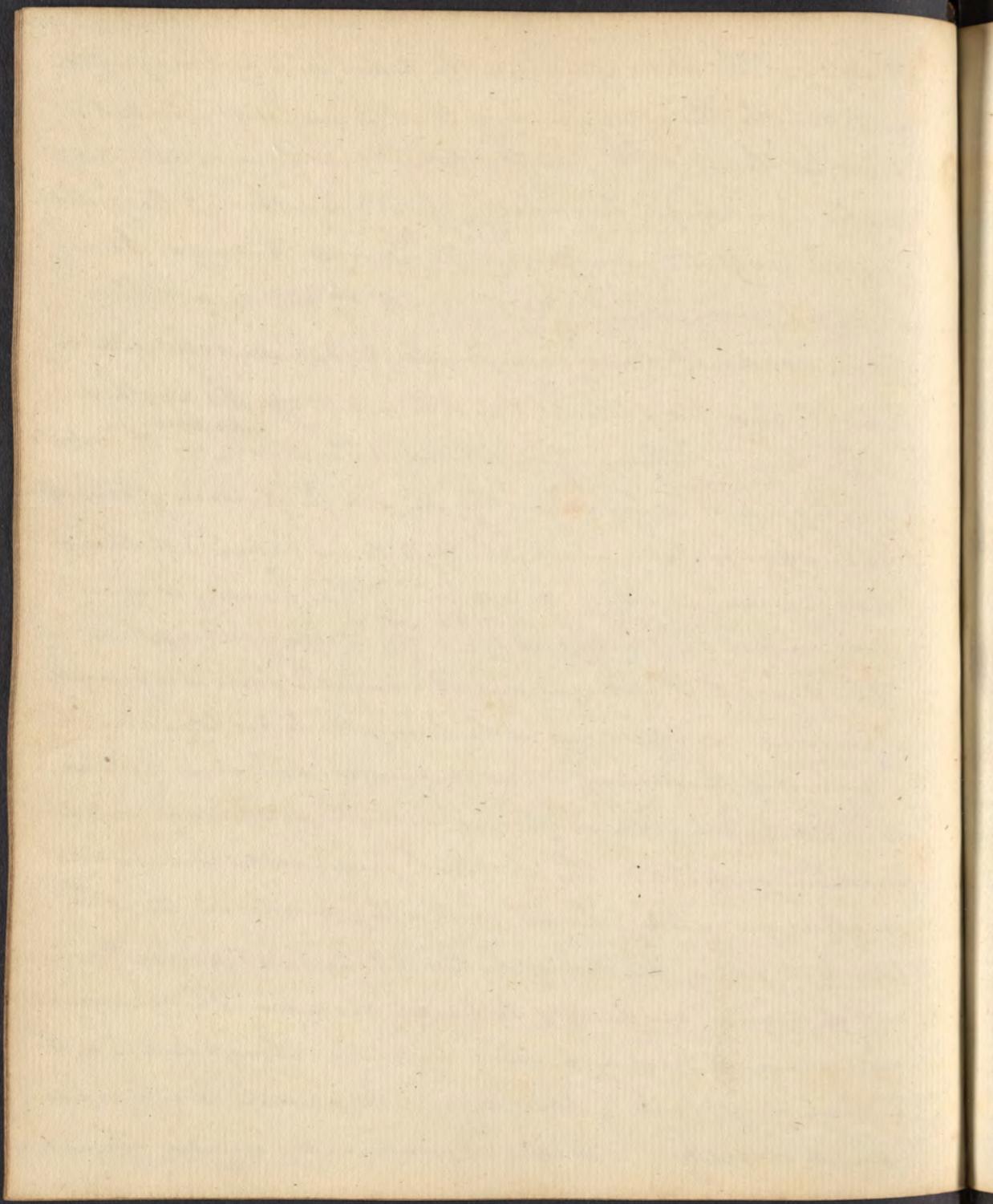
Cystitis is cured by the same remedies.

14 Hydroptic state of Fever, I have said morbid action in the blood vessels tends to effusion, The matter effused is 1. Air, this frequently takes place in the bowels in cases of bilious fever. 2 Halitus or vapour. 3 Serum this occurs in

Dropsey



Dropsy. The water effused in the brain does not coagulate according to the experiments of Doct. Woodhouse, probably from its being more finely separated. 4 Serum and coagulable lymph are frequently effused together. 5 Coagulable lymph is effused alone as in the Bowels, Kidneys, Liver, Lungs, Spleen, Gall bladder, joints &c and in all those places calculi have been found. 7 Serum, coagulable lymph and red globules have been all effused together. When there is a congestion a kind of Paralysis ^{takes place} in the vessels. Engorgement is produced by the over proportion of stimulus. When effusion takes place the vessels are relieved of their load and are excited into action. When Serum is effused into any of the cavities of the body Dropsy takes place. — The Scarlet, Puerperal and Rheumatic fevers frequently terminate in effusions which mostly takes place in the extremities producing what goes under the name of Anasarca. The Intermittent fever effuses into the abdominal cavities producing Ascites. The catarrh frequently terminates in effusions in the Thorax called Hydrothorax. In the Brain it forms Hydrocephalus internus. Nineteen Dropsies out of twenty are purely Arterial diseases. The occasional occurrence of Dropsy from a ruptured lymphatic is I believe very rare & still more seldom does it occur from direct contusion. — Dropsies naturally divide themselves ^{into}



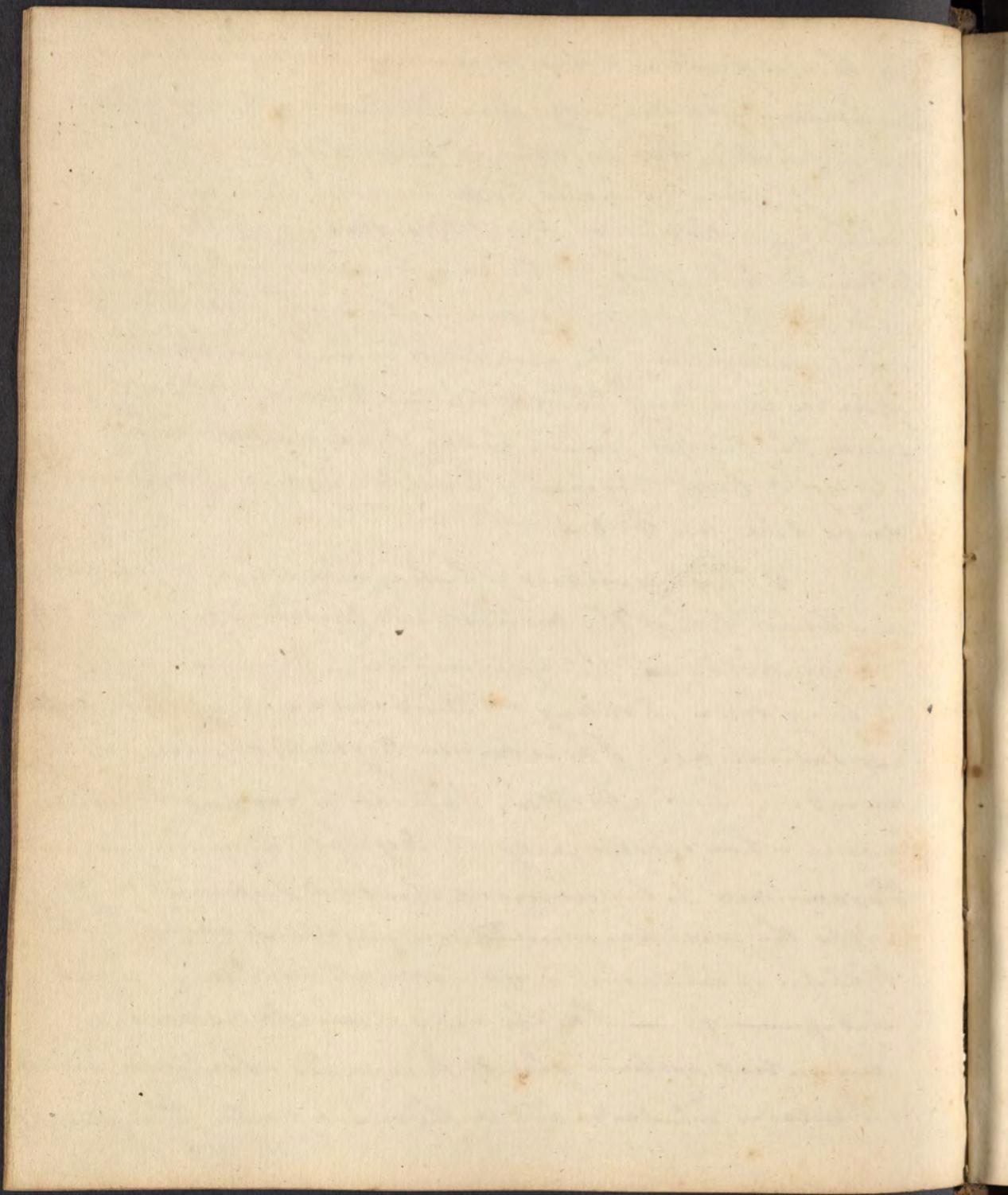
into those of great and those of moderate morbid action. Of this however you can judge from the Pulse which is slow in Hydrocephalus, Intermittent in Hydrocephalus. —

1. Those remedies for the disease which act by diminishing morbid action are, 1. Bloodletting. 2. Purges. — 3. Tonics. 4. Fasting. 5. Certain diuretics as Digitalis, Nitre &c. They act only by diminishing the quantity of serum and giving the absorbents room to act and do their office in absorbing the stagnating Water. Bleeding answers the purpose much better than any of them. — 6. Fear. 7. Cold. For facts to prove the justness of these remedies. — *Vide my 2^d. Vol.*

2. Those remedies which excite a healthy action are Tonics both of the Vegetable and Metallic kind. *Vid. 2. Vol.*

Hydrocephalus, the symptoms are — Dyspnoea, difficulty in lying down, panting &c. Remedies are Benzonite, Scilla and Salivation. — I have known Digitalis of service in this disease. — Ascites, Salivation generally performs a cure when excited early — Digitalis of no service. — Paracentesis to be servable should be performed early. — After the walls has increased considerably to abstract the stimulus of distension is often attended with dangerous consequences. — In the cure of an Anasarca a recumbent posture should be enjoined upon your patient. Fasts are upwards and in the morning only. Punctures,

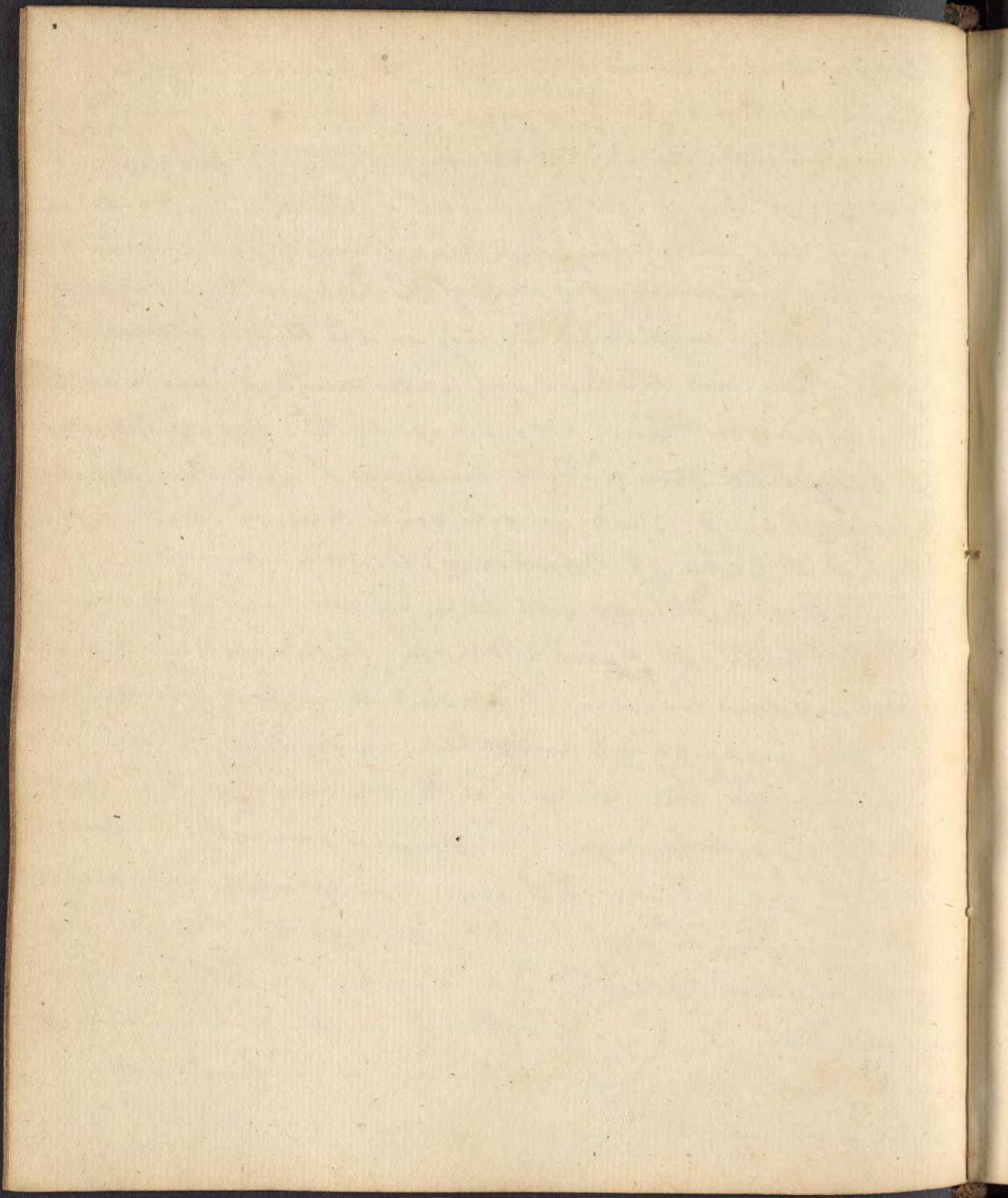
but



but scarification never to be used. — To prevent a relapse Tonics should be had recourse to. —

Since I have adopted bleeding in Dropsy my success in recent cases has equalled my wishes. In chronic Dropsies I have been more successfull than formerly from accomodating my remedies to the state of the system. However new Bloodletting may be in Dropsy in the United States I find I am not the first who introduced it into practice It was used in France 100 years ago by the celebrated Bontellus.

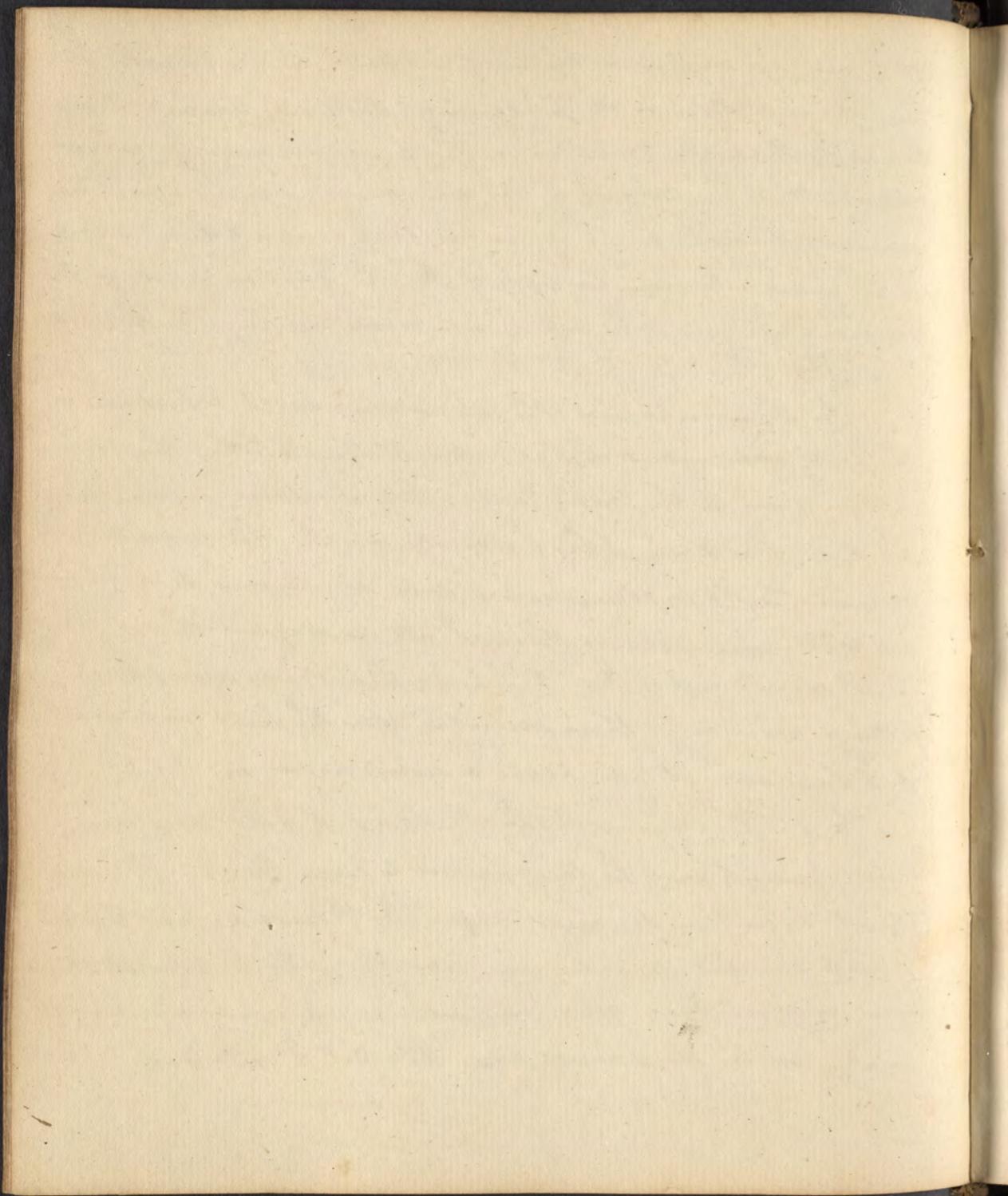
15. Eruptive state of Fever, includes Small Pox, Measles, Scarlet Fever &c. The remedies are to be accomodated to the state of the system. 1 Bloodletting should be copiously used. — 2 Purges. 3 Muriage should be frequently and freely administered to save the breast, and brain. The Anomalies to Small Pox in addition to what I have said in my first volume, are 1 There is a great difference between the time of receiving the infection and the time of the appearing of the Fever as from 5 to 20 days. The 14 day is generally the period in the natural way. 2 In some cases no eruption takes place 3 Sometimes the fever continues during the whole time of the eruption. 4 The effusion is serum, purulent matter, and blood. 5. There is a difference in the continuance of the suppurative Fever. Nine days is the common time it will however sometimes continue from the 5th to the



20th day. It differs in the part it affects as the Brain, Lungs, Lymphatics, Glands &c producing Abscesses, Trachea producing Cynanche Trachealis &c. Also in the limbs producing mortification. 7. A second crop of Pox sometimes appears which are generally brought on by some exciting cause. & some escape it for years and even for life. 8. In the Eastern parts of the world writers say it is never infectious during the Asmatan Winds. This much for the natural way.

In Inoculation the anomalies are 1. A failure of the fever after infection has taken place. 2. When there is an inflammation of the part shortly after inoculation resembling the bite of a Wasp I have scarcely ever in these cases seen it succeed. 3. No inflammation will sometimes be on the arm and the Fever will go through all its stages with regularity. 4. A second crop of Pox. 5. I have heard of an eruption fitting regularly three months after the first infection. 6. I have seen it take place a second time. vid. Vol. 1. —

For the treatment of the Measles I will refer you to Doct^r Sydenham. He taught me to cure them. Bloodletting should be used in the early stage. The Diarrhoea and Cough which attend Measles very readily yield to Bloodletting. You may prepare your patients as certainly and as effectually as in the Small pox. vid. Vol. 2^d med. Ing. —

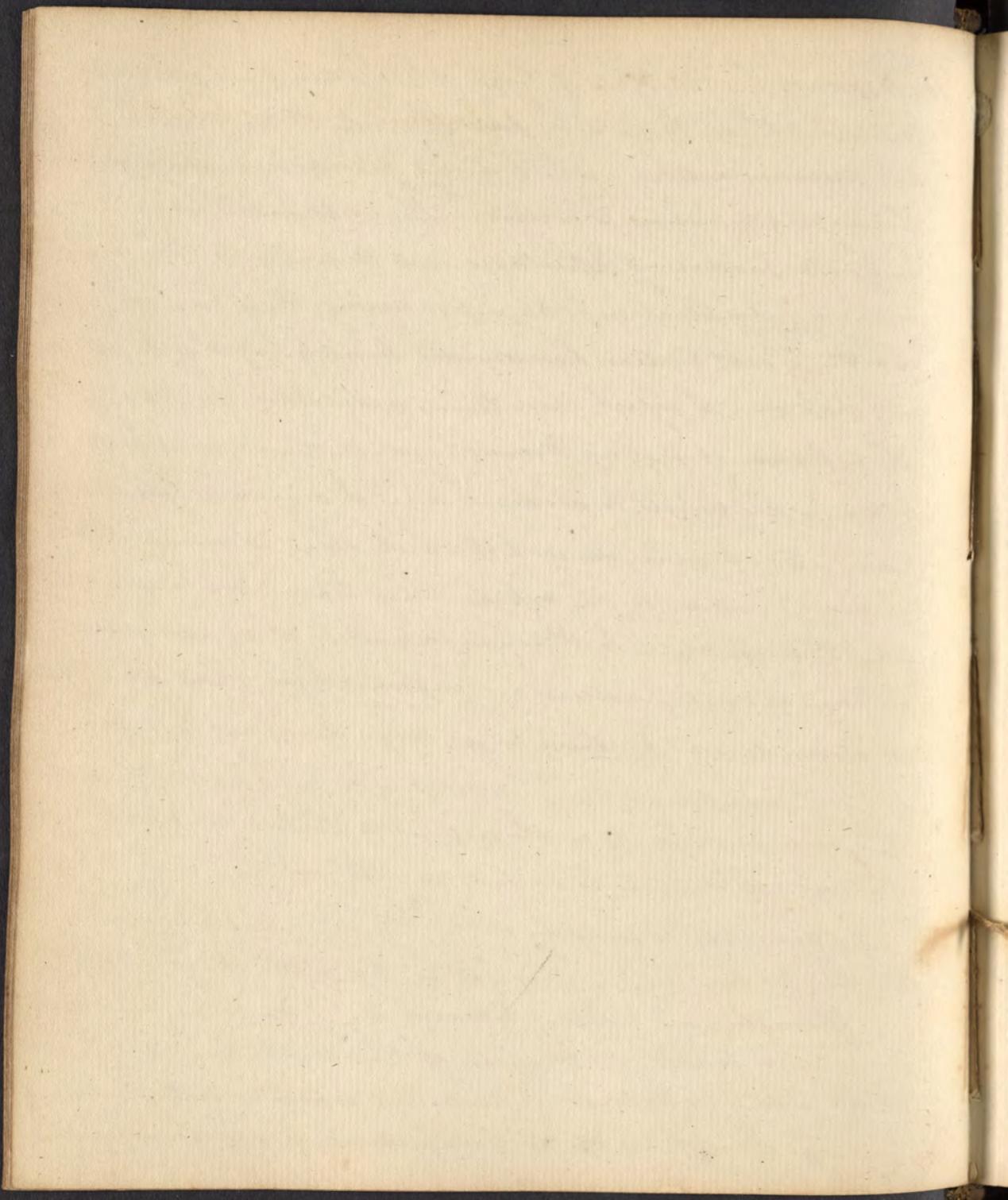


To Hemorrhagic state of Fever, the system from various causes is liable to plethora, and then can be no plethora without previous debility, which being greater in particular parts there a greater action is excited. The Arterial Plethora occurs in youth producing Epistaxis and Hemoptysis. The venous plethora takes place in old age producing Hemorrhoids, Melena &c. Dr. Cullen has divided Hemorrhages into active and passive. I reject these terms altogether, for I deny the existence of passive Hemorrhage, action must take place in the vessels to produce it. - I divide them into Tonic and Stonic, in each of which there is more or less of morbid action in the vessels. They are related to each other like Pneumonia to Pneumoniuca. There are some who are of such particular conformation that the slightest wounds will produce very large discharges of blood. -

Predisposing cause is debility in every part of the system but more particularly on the surface of the lungs, nose &c. - This debility disposes to violent morbid action. -

Hemoptysis may be called Pneumoniuca crustata. The vessels here relieve themselves by a discharge of blood.

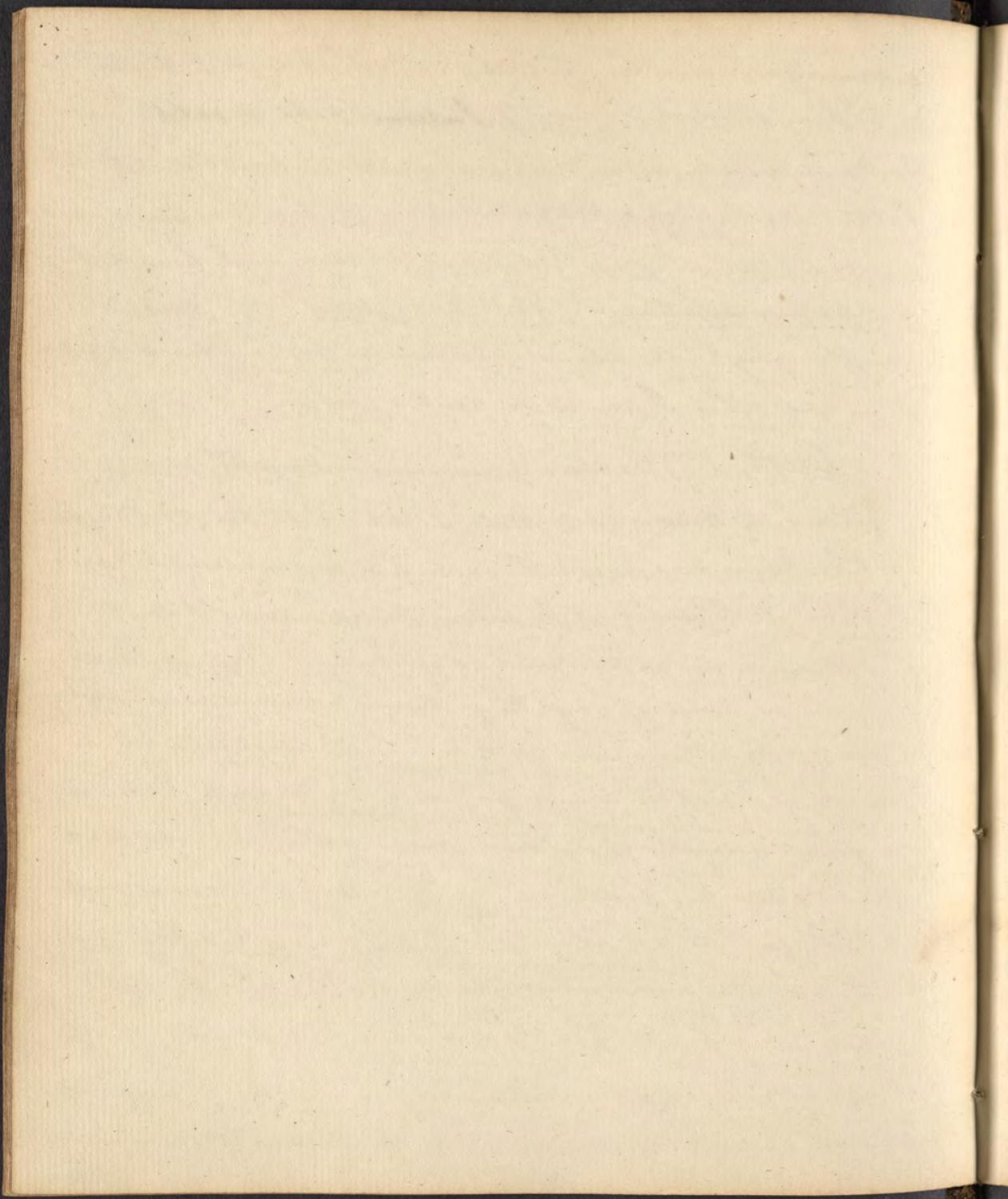
Remote and exciting Causes are, 1 Sudden vicissitudes from heat to cold. 2 Pressure of the atmosphere. 3 Passions of the mind. 4 Exercise of particular parts as loud hollowng, Singing, Laughing &c. 5. Cold applied to one part and



determined to another, as cold feet to the lungs. 6 Great heat or perspiration from cloathing, 7 Intense heat on cold. —

8 A determination to certain vessels rendered weak by habit. 9 Animal Magnetism. — When hemorrhages once appear they are very apt to return. Is hemorrhage a salutary discharge? No. Is nature to be trusted to for the cure? No. She is to be trusted less in this disease than any other I am acquainted with. —

CURE, 1 Bloodletting, accommodated to the state of the system. 2 Cold applications, as air water, ice &c. The effects of these remedies prove the justness of my profinate cause 3 Lenient Purges. 4 Sedative Medicines as Nitre &c. Sulphur as an astringent is usefull — Saccum Saturni given in doses of 80. if three times a day is a valuable remedy in all hemorrhages — The effects of cold air in putting a stop to hemorrhages is wonderfull, I think a great number of soldiers during the last war was saved after the battle of . Dry cold air is preferable to moist. A play actor having a violent Gonorrhœa and finally a mortification of the Penis, the dead parts sloughing off, a Hemorrhage took place, which was effectually restrained by a stream of very cold air accidentally coming upon the patient thro' a window.



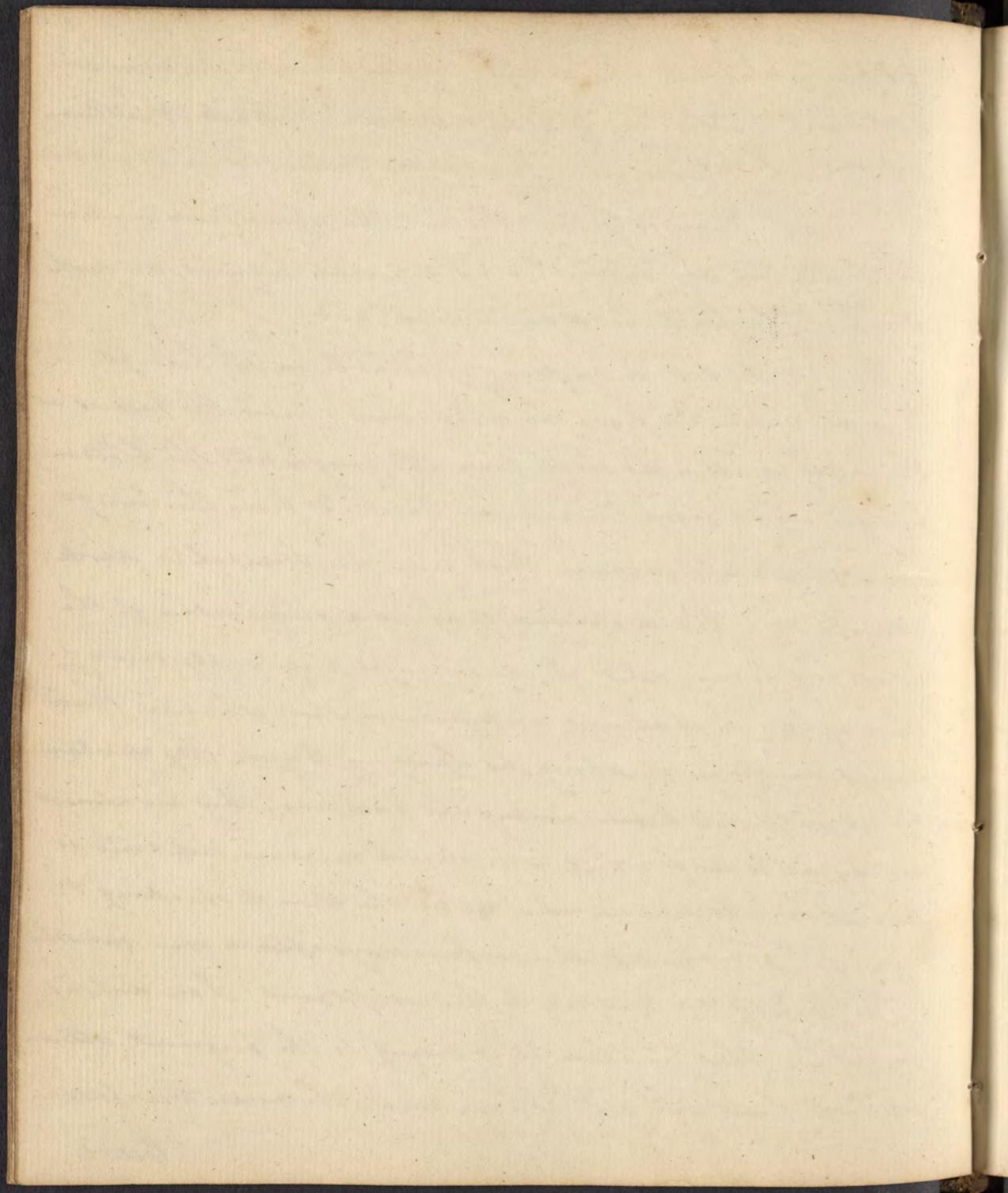
After morbid action is reduced by the above remedies give
 1. Opium, 2 Blisters. 3 Common salt. 4 Bark. 5 Sulphur.
 6 Cold bath. 7 Exercise. - Ligatures round the limbs unuseful.

The Hemorrhages which take place from particular parts are distinguished by different names, on each of which I shall say a few words, and

1. Hemoptysis, or spitting of blood from the Lungs. - It is distinguished from the blood coming from the fauces as the latter is attended with fever and cough and the blood may be seen oozing from the vessels. The blood from the lungs has a florid appearance that from the Stomach is dark coloured &c. - Predisposing cause is debility either of the acute or Chronic kind. It occurs most frequently during the night. It is almost unknown in those who use their Lungs much in speaking, as Lawyers, Clerks, city watchmen &c. It is seldom known among the Germans, they are almost all taught to sing, which is, in a great measure, supposed to prevent it. It seldom comes on at the time of speaking &c. sometimes not until three or four days after or even months.

The Clergy are subject to this complaint. I am disposed to believe that in them it is owing to the frequent alternation of heat and cold. I have known the disease twice fatal.

Curc.



CURE, This is to be attempted by 1. Lepening morbid action in the whole system by 1 Bloodletting, In the use of the Lanct you are to be governed by the Pulse. It would be better to bleed moderately and frequently. 2 Cool draps and cold liquors applied to the Breast, Scrotum &c. The late Dr. Cadwallader cured himself of a violent Hemoptysis by stripping himself naked and wrapping himself up in a sheet dipped in cold vinegar. It produced universal constriction. 3 Acids as vinegar, Rose water &c. 4 Nitre, Alum, 5 Vegetable airt. 6 Rest of body and particularly of the lungs to abviate morbid action. - Common salt from a teaspooonfull to a tablespoonfull. This has frequently put a stop to Hemoptysis. The stimulus of this medicine seems to be confined to the lungs. - it occasions a burning sensation in the throat. It should by no means be admitted during the tonic stage of the disease. -

After morbid action is subdued use 1. Opium. 2 Blisters, They are of immense service. 3 British Oil I have heard has been used with success.

2 To abviate ability and to prevent a return of the disease all the methods laid down in consumption should be attended to, particularly a moderate climate, Journeys, a liberal diet and bark. Bark is of great service I can speak of it from personal experience. Many People

subject

subject to this disease live to an old age. —

2 Epistaxis, or bleeding at the nose. It most generally proceeds from arterial plethora. I have known it twice fatal in malignant fever and notwithstanding the patients lost considerable quantities of blood from the arm yet still the pulse continued obstinately tenus to the last.

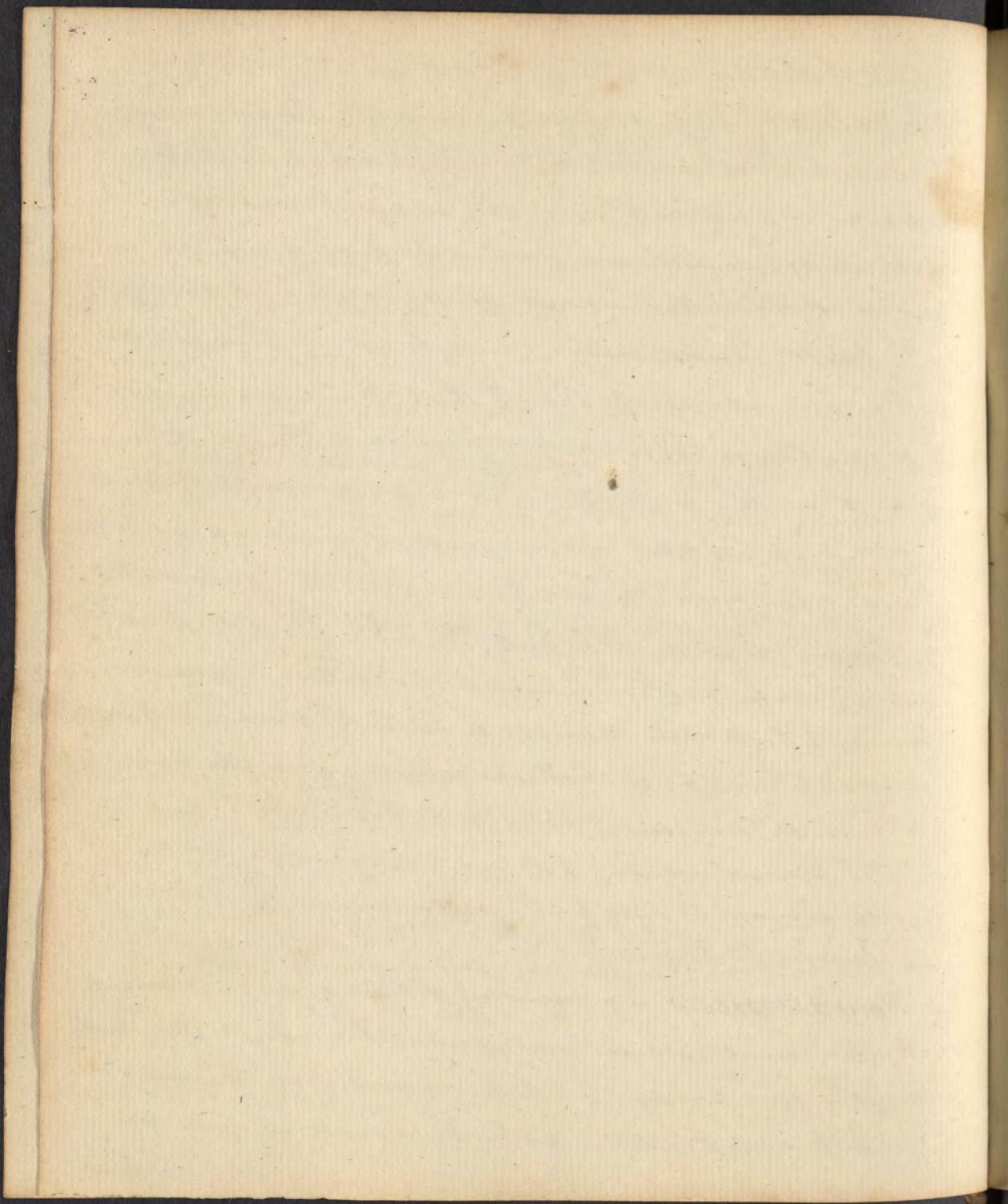
CURE, Bloodletting should be used if the system be brought into sympathy. 2 Rest. 3 Cement purges 4 Cold water to the neck Scrotum &c. 5 Plugs of linen or lint in the nostrils. — To obviate a return the patient should use a low diet. Should avoid much study or blowing the nose. Should beware of tight ligatures &c. —

3 Hemorrhagia Uterina, This is to be cured in the same manner as other hemorrhages. 1 Rest is of immense service. 2 Cold water, Vinegar or Ice to the parts. 3 A stream of cold air directed to the parts previously made bare. — 4 Flours thrown on. 5 Blisters to the thighs. — —

To prevent return, 1 Bloodletting occasionally. 2 Gentle exercise. 3 Bark and port wine. 4 Should avoid climbing up stairs. —

4 Hematemesis, or a vomiting of blood from the Stomach. Remote causes are acid substances taken into the Stomach, Emetics, concussions, obstructed menses, Hard drinking, contiguous obstructions as in the Liver, Spleen &c. —

of the Cure



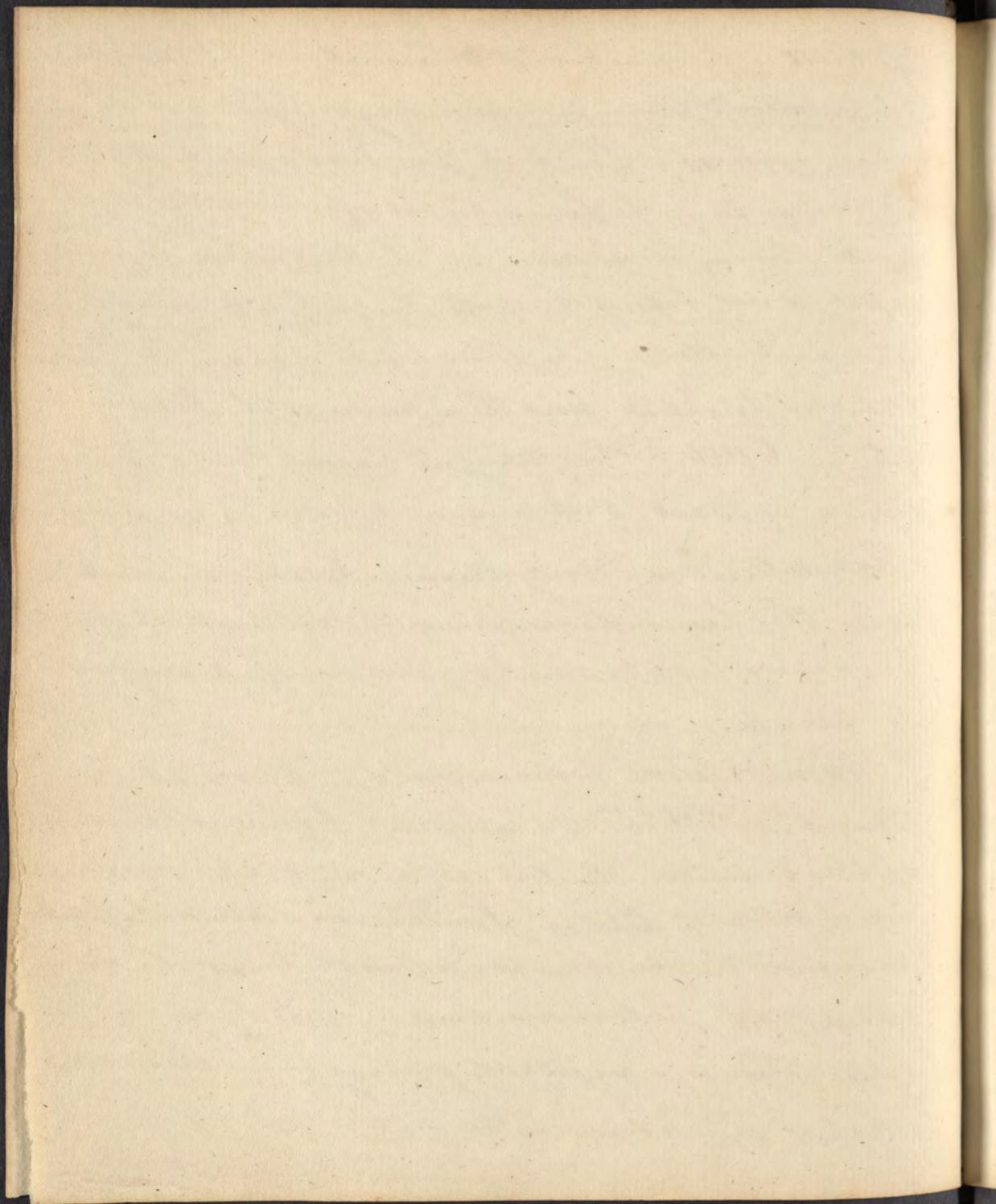
121

The CURE is the same as in other hemorrhages. 1 Bloodletting.
2 Cold water. 3 Common salt. 4 Land. Liquid.

5 Hemorrhoids or Piles. In order to discover whether the blood comes from the hemorrhoidal vessels or not I will make this one observation, i.e. The blood when from these vessels comes before the stools, but when from any other part after. — In some parts of Spain this complaint is prevalent, and then prevents the Leprosy & Itch. — CURE. 1 Bloodletting. 2 Lenient Purges. 3 Land. Liquid. 4 Bark. 5 Strengthening Glyceras. 6 Exercise —

6 Hematuria or Bloody urine. — CURE the same as in other hemorrhages. common salt has stopped it. It is owing to great morbid action in the kidneys and to calculi. —

7 Hemorrhage from wounds. — CURE. 1 Cold. — 2 Dry lint. 3 Flours. 4 Compression. Liquid applications should be avoided. Rustons styptic solution will stop bleeding. 5 Sugar of Lead — Sometimes an Hemorrhage takes place from the skin this was frequently met with, in the fever of 1793. — It is sometimes induced by agency of mind. There is a vegetable growing about the Notches which is said to occasion it. —

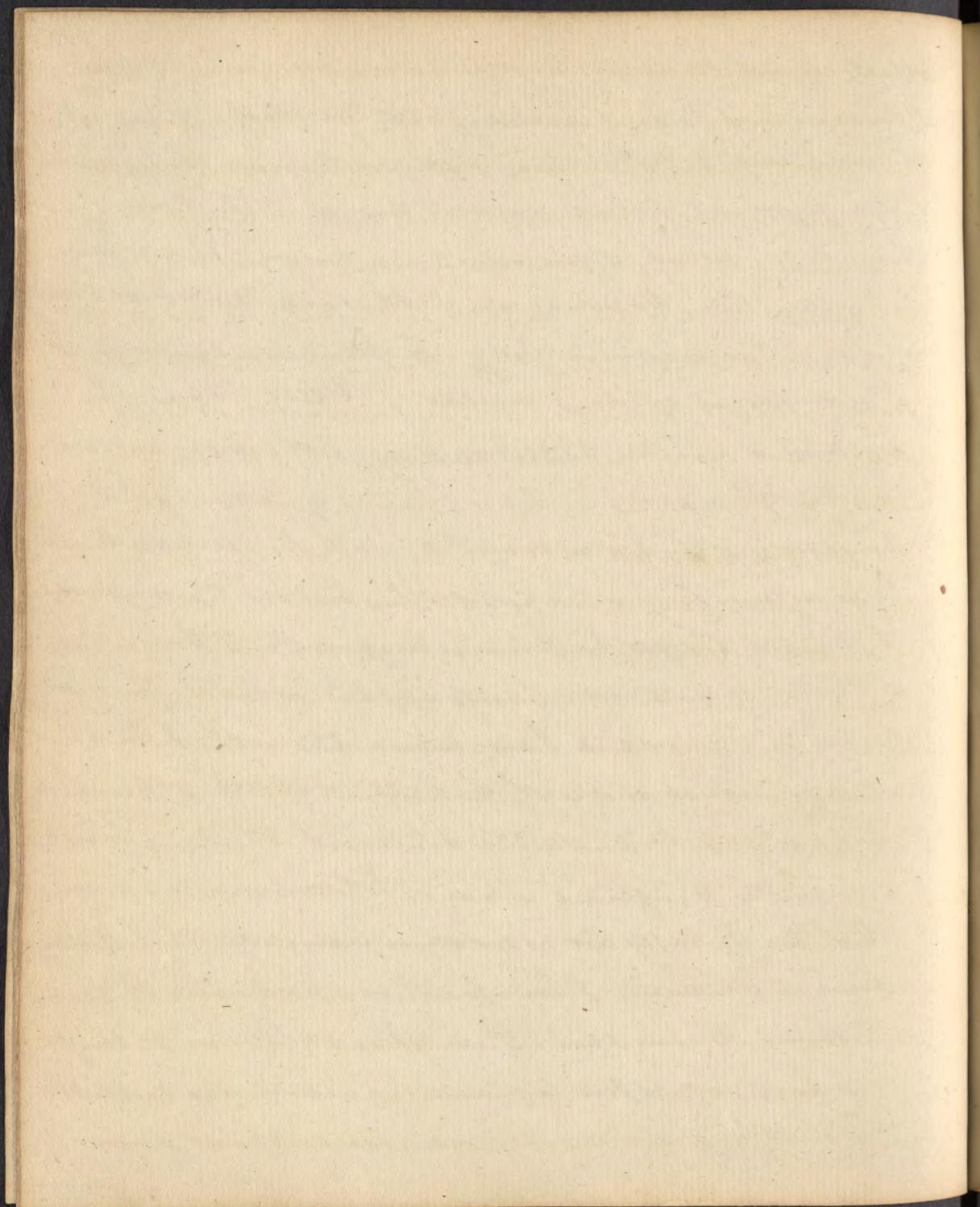


17 Amenorrhagia state of fever, This is generally attended with most of the symptoms of Fever. See all your remedies be directed to the state of the Pulse. When the system is much affected your remedies are 1 Bloodletting. 2 Purges especially Aloes. When there is weak action, tonics should be administered, as 1 Chalybeates. 2 Elixirs. 3. Calomel. What is called emanatio menstrualis is frequently owing to an imperforated hymen. In these cases you should have your patients examined. Emenagogues medicines as they are called are all of a stimulating nature. They should be carefully avoided in the inflammatory stages. I have scarcely been consulted in a case of obstructed menses, but what I have found symptoms of Inflammatory fever, and have of course had occasion to use evacuants. —

18 Dysmenorrhagia is attended with much pain and morbid action in the bloodvessels, and as this increased action is in a ratio with the previous debility, it should be guarded against by administering Tonics in the intervals of the menses. —

19 Hemorrhoidal state of Fever is sometimes a local disease but most frequently of the whole system.

It affects adults chiefly and females more than males -
 I have seen it produce dysentery and Diarrhoea - Some of
 the symptoms of Hemorrhoidal state of Fever are, Pain in the
 head, Giddiness, fever, fulness and tension of the Pulse. -
 Remote causes are, Costiveness, aerea purges, hard riding,
 Sedentary life, Habitual use of Aloes and Butternut Pills
 this last has occasioned Palsy. It often accompanies Gout.
 Predisposing cause is debility - Cure When the
 system is affected, 1 Bloodletting, both general and local
 locally by means of leeches or what is equally as good
 puncturing the protruding Piles with the point of a lancet.
 It is astonishing what relief a few drops of blood affords.
 2 Lenient purges, Sulphur is preferable. 3 Horizontal
 posture. 4 Cold water locally applied is one of the most
 powerful remedies I am acquainted with. I have
 always used it and with the happiest effects. 5 Smoke
 of leather & Stramonium ointment - Poultices of bread
 and milk. Ointment made of White lead and Lard. -
 These too probably act as sudoratives indirectly. The following
 form of Ointment I have found very serviceable Rx. Sacr.
 Saturni. Gum. Opii. - Pulv. Gallo at 3ʒ. m. f. Unct.
 7 Low diet. After inflammatory action has subsided
 the swelling sometimes continues without pain
 whilst



which may be removed by stimuli as 1 Sugar of Lead
 2 Tobacco leaf. 3 Preparations of Tar &c. This from this disease
 that Fistula in ano, that most dreadfull of all
 diseases is frequently derived. It may be avoided by
 shunning the causes mentioned and by the use of
 Bloodletting in Piles, as it so frequently arises from
 neglected or half cured Piles. For as consumption arises
 from neglected or half cured Peripneumony, so fistula in
 ano arises from neglected or half cured Hemorrhoidal
 state of Fever. —

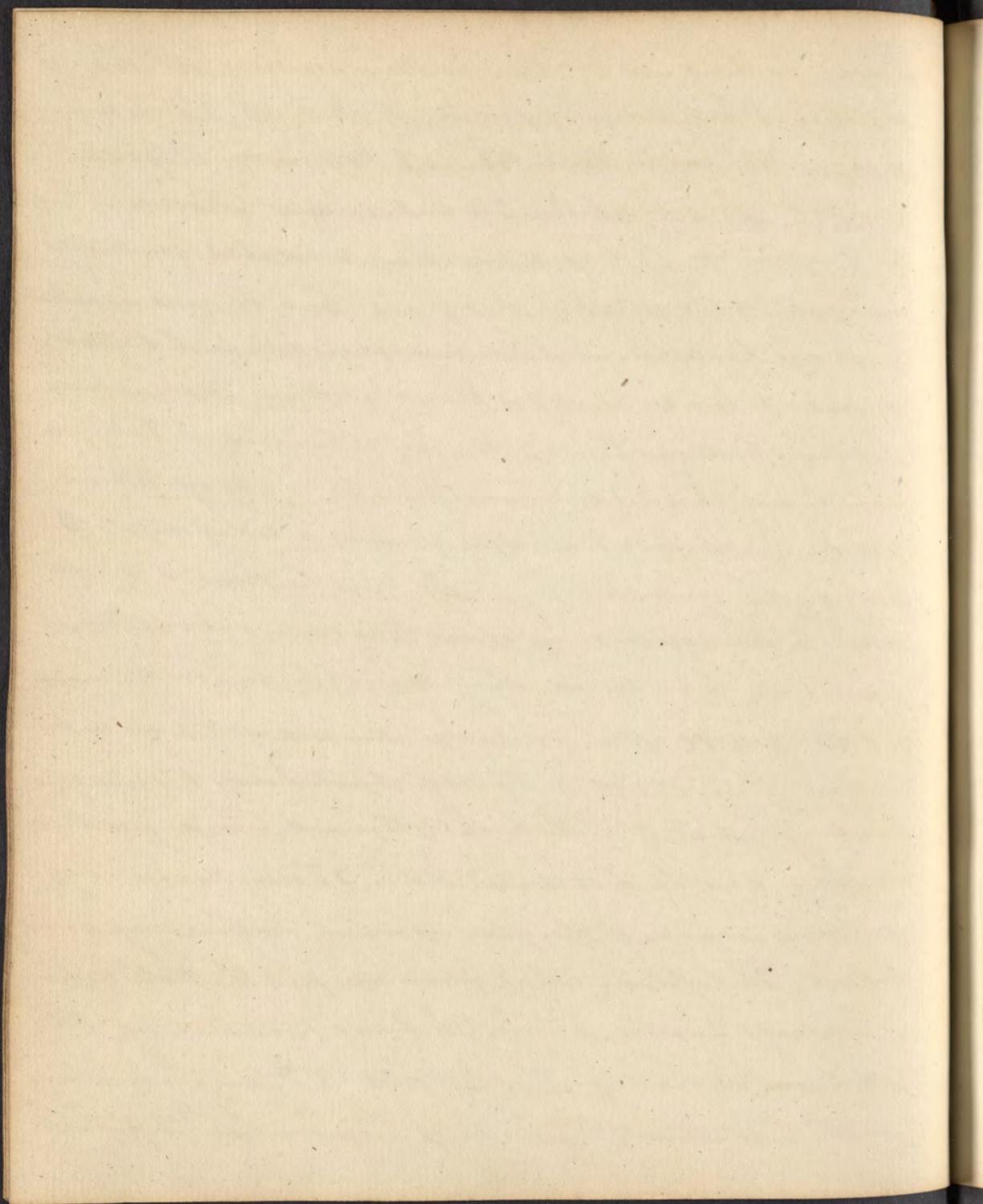
20. Ophthalmic state of Fever, frequently affects the whole
 system and shews itself by inflamed vessels on the Tunica
 Aanata. Complaints are general as well as local, it accom-
 panies general Fever, External violence, motes, inverted
 hairs, Light effluvia from privies, Heat and moisture
 &c. All produce it. Also Miasmata, translation of mor-
 bid matter from other parts. Juice of Onions, Pollen of
 Plants, Beeswax, reflection of light &c. —

CURE. If the system be generally affected, general blood
 letting should be used, otherwise liches, cupping, and
 scarifying the vessels of the adnata. 2 Purges. 3 Blisters
 to the head, neck, temples and behind the Ears. 4 Cold
 water. If there be much action, Tonics to the eye should
 be

be used as Lead water. Lax poultice, aqueous solution of Opium. White veticol solution. R. Vetr. all. 3ij. Sacrum Saturni 3ij. Aqua Font. 6ij. m. f. Collyrium. Bark, infusion of white oak leaves or bark in water. Madeira, Boan dy diluted, vapours of stimulating vegetables, Electricity. Demulcent applications as guinea seed bruised in water, darkness low diet. Lapis calaminaris and fresh butter equal parts makes an elegant and excellent application. Light, Spirituous liquors &c. should be avoided. Foreign substances should be removed from the eye by eye stones. 2 Dipping the face with eyes open in a tub of water. 3 Puffing the eyelids close. — If then be general relaxation barks and Opium should be given internally, if from other affections they must be removed. —

21. Odontalgic state of fever, is attended with pain in the teeth and Jaws. That it is a state of fever I infer 1. From there being bleedings in the teeth. 2. From its occurring in those who have no other but sound teeth. 3. From its occurring in those seasons of the year in which inflammatory fevers prevail. In Lapland where fevers are few the tooth ache is scarcely known. 4. From its being produced by the alternate action of heat and cold. 5. From its occurring in the inflammatory periods of human life. I reject

Sugar



Sugar, Salt, Fruitt &c having any effect in producing it -
 It is on arterial action. It mostly occurs under 36 years
 of age. The inflammation sometimes affects the neighbouring
 glands &c It sometimes affects sound teeth distant from
 the decayed ones. - Extraction should not be used in the
 painfull, inflammatory period - If the system be brought
 into sympathy we should use 1 Bloodletting. 2, Gentle
 Purges. 3. Blisters behind the ear of the affected side is of
 immense consequence. 4. Roasted fig to the jaw. Opium
 should not be used during the inflammatory period, for so
 far from giving relief it increases pain and inflammation
 We should also apply such applications to the face as will
 excite a new action as flour and ginger beat up together. -
 Spirits held in the mouth. After pain ceases extraction
 should be used. - When a caries has commenced there are
 three methods propounded 1. To stop the opening with Gold
 leaf. 2 To destroy the nerve with a hot Iron, caustic &c
 3 Extraction, this last should be preferred. Abscesses are
 sometimes produced in the sockets and Antrum maxillare
 These may be prevented by extraction. Never attempt curing
 them in any other way. When matter is formed in the
 Antrum maxillare the adjoining tooth should be ext-
 racted and a perforation made into it. Artificial teeth

/ do not

127

do not communicate with the vessels of the jaws. They are fixed in the sockets in the same manner a nail is fixed in a piece of wood. A dry tooth should be preferred to a fresh one.

Tooth ache may be prevented by sleeping in a warm night cap, by avoiding drinking water very warm or cold. By cleaning the Tartar from the teeth by washing them every morning with cold water and every night by brushing with water. — There is a chronic Rheumatism affecting the Jaws unconnected with the teeth. We should here use, 1, Bloodletting. 2 Opium and Glycerine plaster. —

22. Otolgic state of fever, is attended with pain in the ear. —

CURE, 1 Bloodletting. 2 Purging. 3 Smoke from burning sugar. 4 Juice of Hickory tree. — I have lately recommended, when suppuration has taken place, injections to be used. Deafness might be prevented in many instances by Bloodletting.

III, Such as pass by the arterial system and fall on other parts. This I call misplaced states of Fever. —

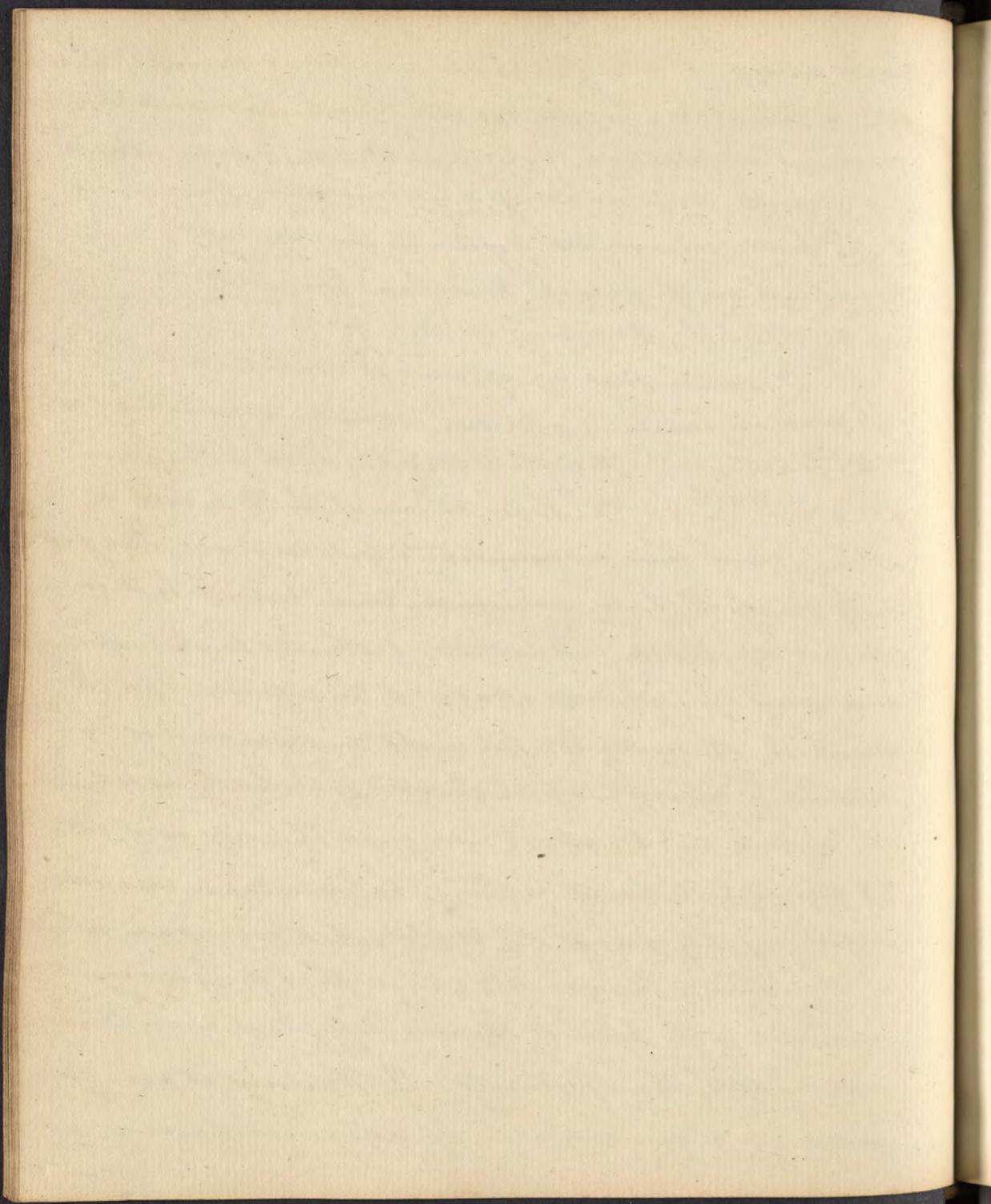
1. Hepatic state of Fever, It is a suffocated state of fever it is always symptomatical, except where it arises from Gall stone lesions of the Liver &c. —

For a description of this disease I must refer you to books. I have observed a number of the lower limbs

limbs attend it. The Gums are sometimes hardened. Pulse soft, stools green, this divided into chronic and acute Hepatitis - This occasioned by ardent Spirits, Violent exercise, Sea Sickness. Heat, maxims long continued. Constrictions of the head, Miasmata Vegetable and animal. It appears in the form of Diarrhoea, Cholera morbus, sickness at Stomach, Vomiting of Bile &c -

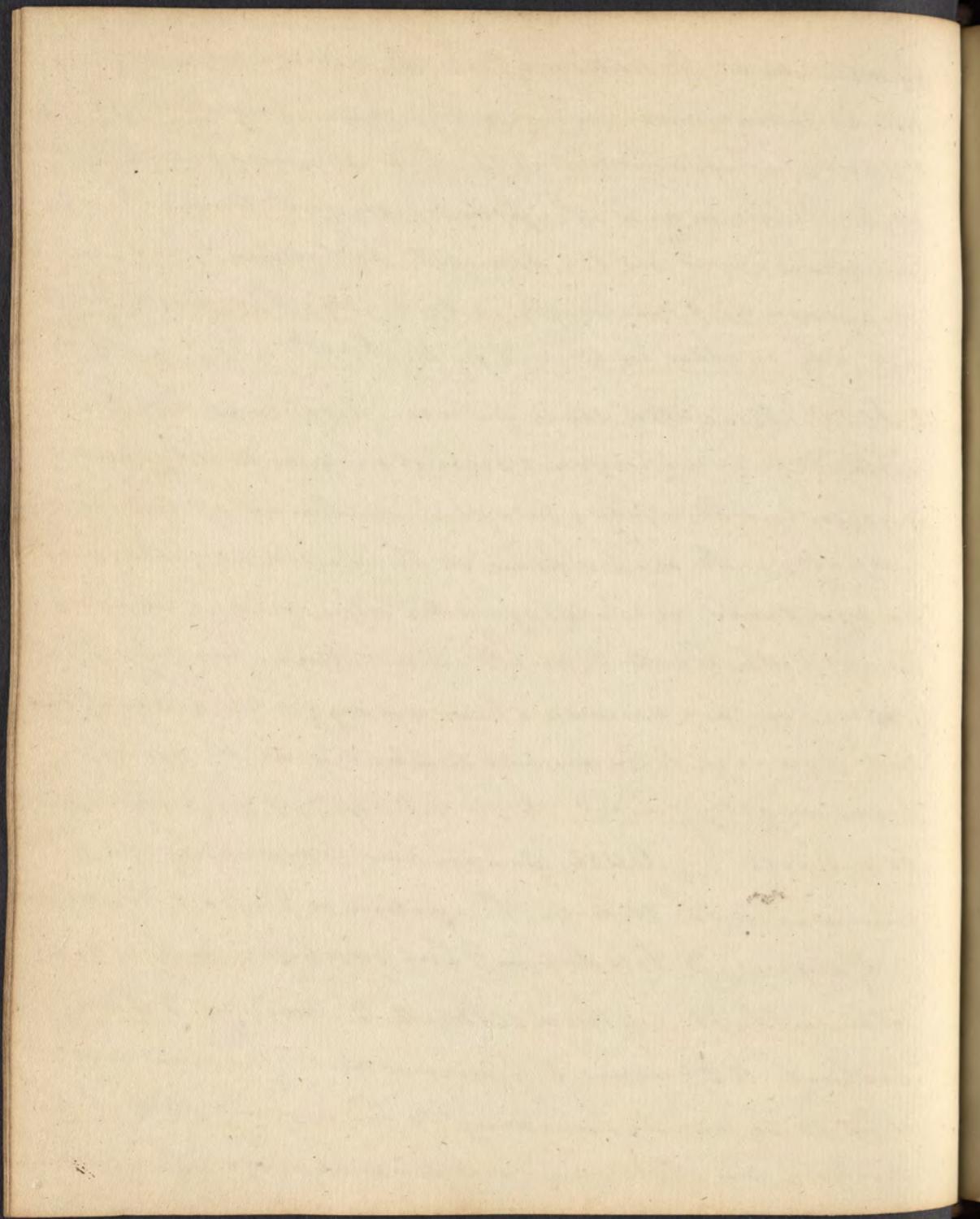
Premonitory symptoms it comes on with dullness and an increased appetite, sometimes unusual chest fullness attends. Remote causes are such as in acute Bilious Fever. The Liver disease of the W. Indies is nothing more than a concentrated Yellow Fever. It affects more under Puberty, women are more subject to it than men. -

Currl, 1788, Bloodletting should be used copiously and early - Mrs. Mapat of this city was bled 15 times in the course of a few weeks and was at length relieved by a vomit which operated so violently as to burst the abscess. - Mrs. Porter near this city was bled 38 times and kindly relieved, but a relapse was occasioned by her riding 12 miles, and was again relieved in the same manner. And was on the 6 of January 1802 conducted to the altar of Hygiea professed of more Beauty and health than formerly. Dr. Murray, it acts by inducing a new action in less dangerous parts and as



an evacuant. It seldom affects the mouth when suppuration is taking place owing to the suppurating action being greatest. Inflammation of the Liver terminates in suppuration, Schissus and absorption of its substance. The abscess sometimes opens in the Stomach, Intestines, Lungs, Abdomen and externally. An emetic has discharged all the matter contained in the Liver. —

2. Scrophulaceous state of Fever. Scrophula has been supposed to be a specific disease of the Glands. I grant it is so but it always brings the arterial system into sympathy. Its causes prove it to be a state of fever, also its symptoms, as chills, quick Pulse, visual affections, purred teeth, black Gums &c. Doct. Kennedy says blood drawn in this disease shows no sanguineous appearance, this only proves it to be a morbid action beyond the power of producing sanguineous blood. Doct. Hillary very properly calls it a fever. — CURE, You are here to accommodate your remedies to the state of the system or Pulse. 1. Bloodletting 2. Purgings. 3. Low diet. — When morbid action is reduced we should employ 1. Bark. 2. Mercury. 3. Sea bathing. 4. Opium. 5. Generous diet. The remedies should be varied according to the varying state of the system, even slight causes will produce great changes. —



3 External inflammation, these are divided by Nosologists into Phlegmon and Erythema. The former forms Pus and reaches to the cutis vera; the latter never does and reaches no further than the rete mucosum. In Phlegmon where the system begins to be affected the Cure is, 1, Bloodletting. 2, Purging. 3 Low diet. —

Local applications are, 1 Cold water. 2 Hot water. 3 Emollient Poultices. — If suppuration has commenced such applications should be used as stimulate by their heat as Flaxseed Poultice, Lily root boiled in milk and then spread over with oil. If these fail Lye Poultices should be laid on made of Beer, Lye and Bread equal parts. Also Opium and Sal ammoniac. — When they are ready to open it should be done with a Lancet. — When this is objected to, A plaster of Honey, Flour & Yolks of Egg should be applied in order to break it. — If gangrene appears stimulants should be used, provided the inflammatory action has subsided, such as Bark and Opium. — Gangrene of the toes sometimes takes place in Jail and Hospital fever, here Opium is the proper remedy. —

Paronychia is a very painfull inflammation of the periosteum of the Fingers. When it first appears the affected part

part should be frequently immersed in boiling water or vinegar. This acts either by exciting a new and greater action on the cutis or by inducing violent debility and thereby destroy action altogether. 1 dip Fingers in through the Thua of the finger. 2 Excision sometimes becomes necessary. —

Another is another species of Inflammation, for a description I refer you to Authors. If there be much Inflammation 1. Bloodletting should be used. 2. Mild Poultice. 3. Detergent ointments. 4. Bark. —

BURNS, When the proper fever we should use, 1. Blood letting. 2. Purges. 3. Low diet. — Such local applications as restrain Inflammation, as, 1 Cold water. 2. Lead water 3. Poultices of bread and milk. 4. Stramonium Ointment

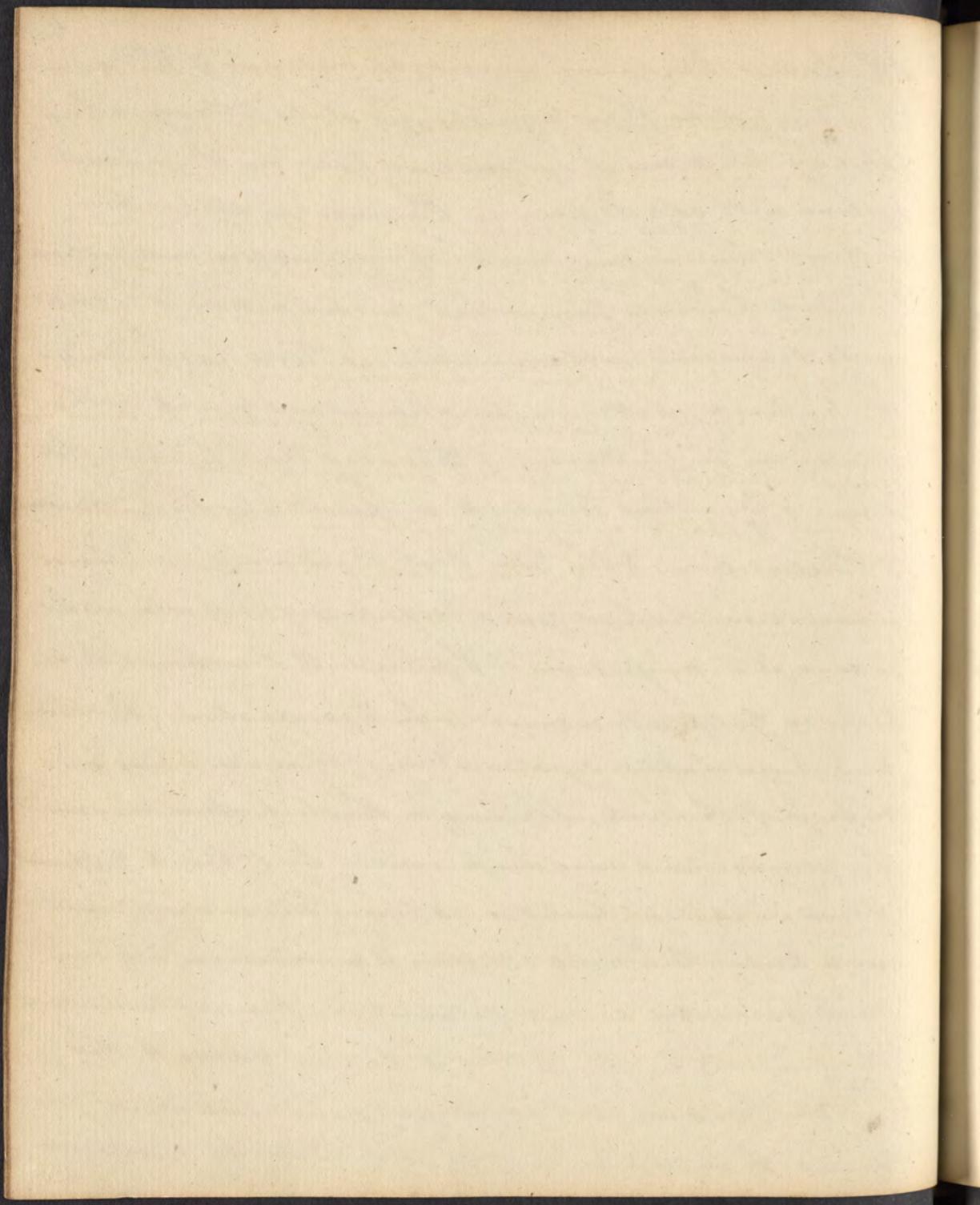
There is sometimes a chillness takes place that pervades the whole system in consequence of burns that is very remarkable. Persons burnt in consequence of a flame of fire surrounding them, have often a complete Paraphonia, which is owing to the inhalation of flame, tis always fatal. There is an incurable ulcer formed in the Lungs by it. —

4. Convulsive state of Fever. Of this there are several grades, 1. Tumors. 2. Convulsions. 3. Spasms. They are tonic & Clonic.

1 Tetanus is of a mixed nature between tonic and clonic.
Predisposing cause is debility. Remote causes are, all causes that debilitate the system. Exciting causes, are 1 Wounds. In producing tetanus it is not necessary that the tendons or nerves be partially divided, for it occurs from amputation and from wounds where no tendons or nerves are affected. It occurs from wounds of all kinds more particularly from Gun shot wounds. It sometimes follows wounds after they are healed, probably from some acid matter being retained. Cutting the umbilical cord has produced it. The time from the reception of the wound until the appearance of tetanus is various from one day to six weeks. The slight wound from cutting a nail or a corn has induced it. Burns induce it. I have heard of a wound the eighth of an inch producing it. Inflammation and suppuration never follow I believe those wounds that induce it. 2, Application of cold after the body has been previously heated has frequently brought on tetanus. A current of air upon the head and neck has produced it. Dr. Hunter mentions it as a symptom of bilious Fever. Dr. Gederton in his account of the spasmodic affections

of the Indians has many remarkable instances of this disease. It is nothing more than a misplaced state of Fever, which passes by the Arterial system and falls on the muscular system with all its force. - Patients are said to die without shewing any marks of inflammation on dissection. This only however proves that morbid action is so great as to transcend inflammation. 3 Terror has produced it. 4. Acid matter in the Alimentary canal as the meconium in children. 5 Drawing Teeth has brought it on. 6 By eating Hemlock, dropwort and Stramonium. 7 Parturition. 8 The late Doct: Baileya of Carolina informed me, he had seen a large draught of cold water induce it. 9 Symptoms of Hydrocephalus. 10 Sometimes it appears in Goit and worms. 11 In Hydrocephalus. Are there any pulmonary symptoms? Yes, there are pain and stiffness of the neck, Starting in the sleep often precedes this disease and may be prevented by 1. Bark. 2. Opium. If from a wound the part should be irritated and inflamed with turpentine, Sato uncture of Cantharis, or lime juice previously however delating it. Here inflammation being excited locally, a tone is thereby given to the whole system and a general equal excitement produced. If it appear to arise from Biliary affections

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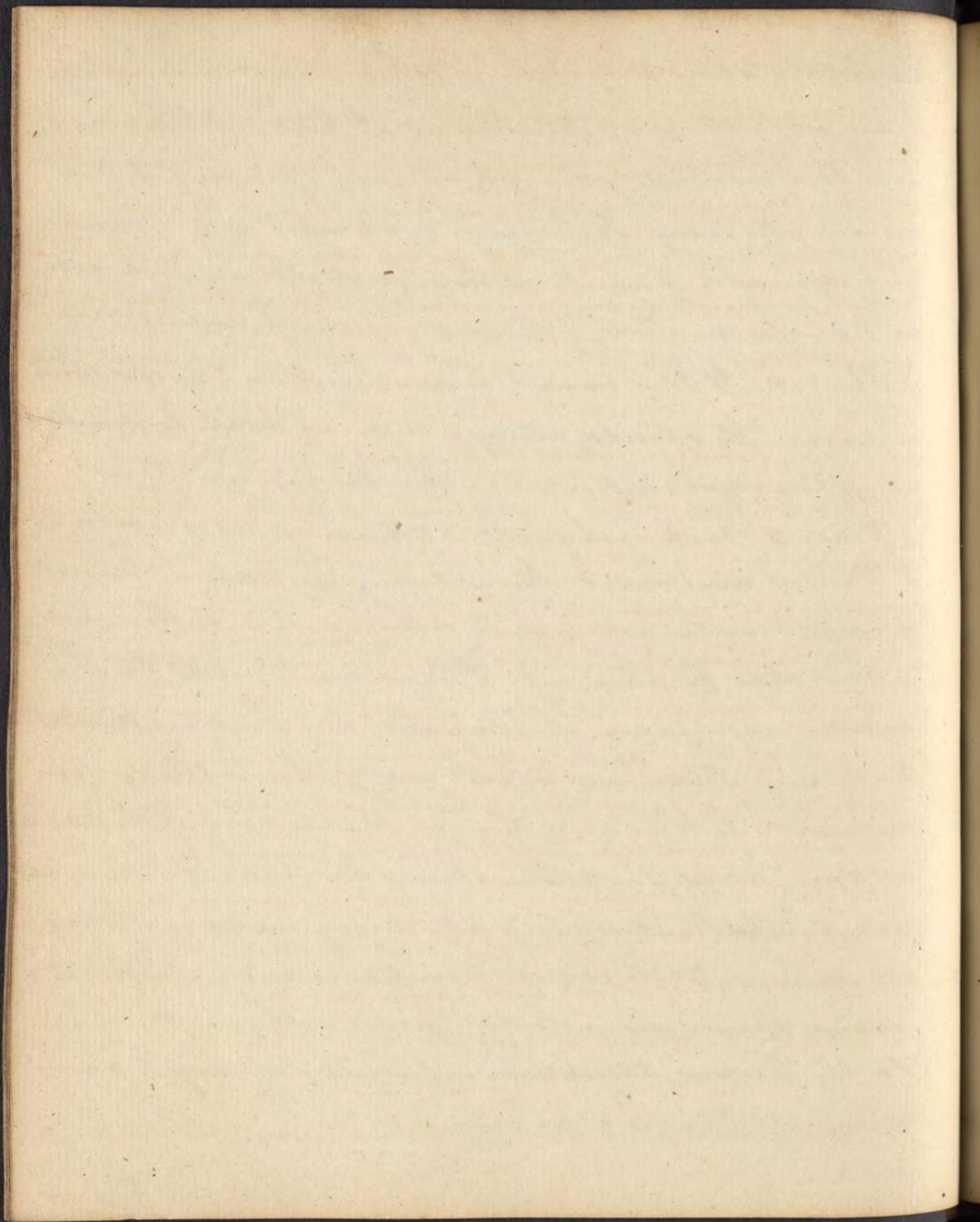
an emetic should be given - When violent action takes place we should use 1 Bloodletting. 2 Cold. Mr. Hunter I have been informed by one of his pupils, speaking of this disease used to say "If I were to be attacked with Tetanus and were able I would throw myself into an Ichouise or transfer myself to the cold regions of Nova Zembla".

3 Purges, If they cannot be administered Glysters should be given. We should always be on our watch for symptoms of weakened action and when they appear, Give, 1 Wine. 2 Bark each freely. 3 Opium. 4 Oil of Amber. - 5 Flour of mustard. 6 Stimulating Injections, Tobacco &c. when Stimulants cannot be taken by the mouth. -

7 Cold bath by plunging. I have seen it used by the sudden application of cold water, here it acts as a Stimulant.

8 Mercury Internally and externally; Tonic is thereby communicated to the nerves through the medium of the arterial system. Dr. Girdlestone advises the patient to be wrapped up in hot blankets and to take large quantities of Wine and Opium. When it arises from fear cordials should be used. Ardent Spirits were used by a quack with success. -

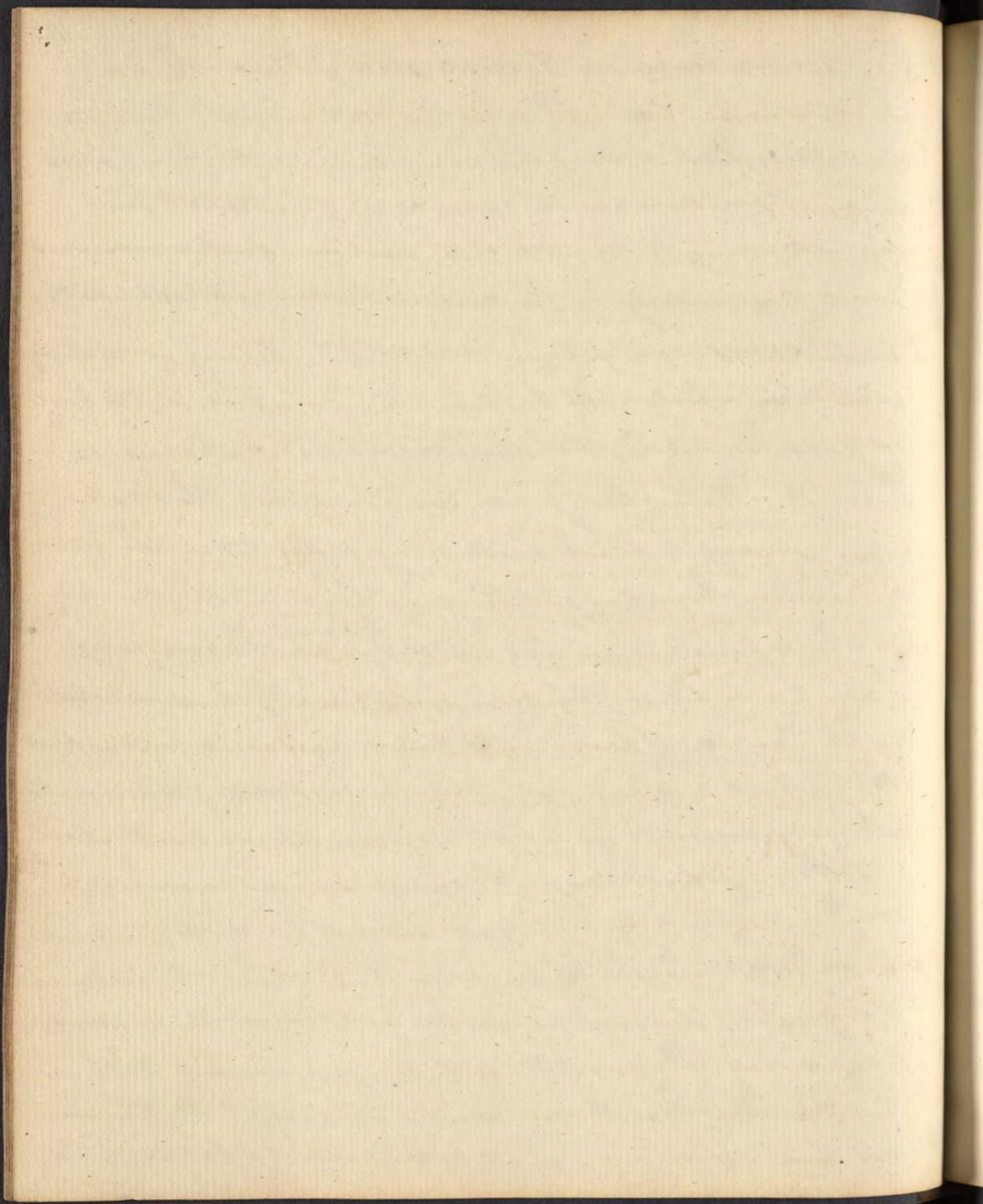
For the Thremus Nascentium or Jaw fall, I am sorry to inform you Gentl. I know of no cure. -



5 Hypochondriac and Hysteric state of Fever. The nerves and arteries are both affected in this state of fever. Patients are said to have a complication of disease, there is no such thing. Remedies are the same as in other states of fever viz attending to the state of the system - such medicines as act particularly on the nervous system as Aperienta &c.

6 Cutaneous state of Fever. (See Vol. 4th) Leprosy is nothing more than a fever. As Cholera is a bilious fever of the highest grade turned in upon the Stomach and Intestines, so Leprosy is the highest grade turned outward. The black colour is owing to black blood being deposited in the cutaneous mucosum. Vomiting and Purging has cured this disease - Tar in different forms has cured it, ^{by evacuating} so has bloodletting. - I am led to believe the cure will finally be discovered in the Lanut. I have seen it follow half cured bilious fever. 'Tis in fact nothing more than a misplaced state of fever. Leprosy occurred in Great Britain during the Plague.

7th Bloodletting, the symptoms as sores of the skin, inflammation, blotches &c all call for it. It is astonishing the effects of bloodletting in fevers of the skin. The violence of translated Leprosy proves the necessity of bloodletting. - I have seen it translated to the lungs producing Phthisis Pulmonalis. Does no cure exist for Leprosy? If there were not heaven like man would be kind only by halves, and ^{the}



can I doubt not will be found in Bloodletting. Exam
in the Pulse. It has never been attended to in this disease
until lately. —

Scurvy. I have said that scurvy is nothing more than
a misplanned state of jail fever. The same causes induce
this as other states. The same symptoms take place here
as in other states of fever. The same remedies cure it. —

Would not the Lamitt be proper in the confinement?
Pain in the Limbs is a symptom of Scurvy, so are Gums,
Petechia &c. Cure, Stimulating moderately, where the
system is reduced. Vegetable diet. Raw food, Cordial
Papions, cordial Liqueurs. Bark when the state of the
Pulse and system require it. — To prevent the Scurvy
acids of all kinds are to be used, also Lemons, Sugars,
Land air, cleanliness &c. — Avoid sleeping near the side
of a new ship. — Foul air is one of the most frequent causes
of this disease; also the continued use of salt provisions. —

IV. We now proceed from nervous diseases to those
which affect the nervous system primarily and
arterial system secondarily. —

I have said formerly that, War, casualties and
old age were the only proper outlets of life. —

Fever are the only naturally original diseases, they
have not only diminished but have changed their
Types. — In simple ages and regular life morbid
/ Stim

stimuli produce morbid states in the arterial system. In more luxurious life, the same stimuli will produce nervous diseases as Sympathy &c. The nervous and arterial systems cannot be long affected separately without bringing each other into sympathy. I however wish to confine myself to those which chiefly affect the nervous system. Remember with the nerves I include the muscles.

1 Cataplexy, this appears to be an inferior grade of Apoplexy. There is some degree of congestion in the brain. Sudden frights, unsuccessfull love will produce it. — Tis sometimes caused by a moderate congestion of blood in the Brain. It sometimes occurs as a symptom of Fever. — The Patient stands perfectly steadfast.

CURE, the same remedies should be used here as in Apoplexy only of an inferior strength. — Tulpins relate a case caused by Love; this was cured by the object beloved being conducted into his presence.

In those convulsions which exist independent of arterial affection. Opium, if the action be moderate will generally answer in preventing them. cold air should be employed during the time of convulsions, particularly in Children. To prevent it in children tonics should be used. — Convulsions in the commencement of Fever portend no danger, in the close they are generally fatal. Convulsions during parturition

147.

are generally fatal. They may however be prevented by the patients being kept cool. —

2 Chorea sancte Vitæ, vide Doct. Cullen.

Doct. Sydenham has very properly recommended bloodletting in the commencement of this disease and then chalybeates. If these fail Oil of amber will be found a powerfull medicine. It mostly occurs in children I have seen it twice in Adults. —

3. Cramps, This is a violent contraction of the muscles. Predisposing cause is evidently debility as it generally occurs in sleep and while swimming, when the system is debilitated. Hippocrates very properly says "atonia gerunt spasmos. —

Cure If it occurs during the night the person should rise suddenly, fumitions should be used, tight ligatures above the knee except the patient be a pregnant female. Squeezing a roll of sulphur has removed them merely by excretion. —

4 Hiccup, is a convulsive action of the Diaphragm. Occurs suddenly from drinking &c. I speak of it as occurring in dependent of Rivers. Cure 1 Stimulating Potions as say Dr. 2 Sedative Potions as fear &c. 3 Opium. 4 Oil of Amber and other Tonics. —

5 Epilepsia. Doct. Cullen defines it to be a convolution of the muscles accompanied with sleep. It has been called Morbus comitialis and Morbus sacri. I have thought & read much on this disease, but I am sorry to say I know but little more concerning it than I did when I first began the practice of Physic. All that I shall be able to give you is a few facts. That a cure will be discovered I have no more doubt than that the Sun will rise and set tomorrow. *Dieb doceat.* —

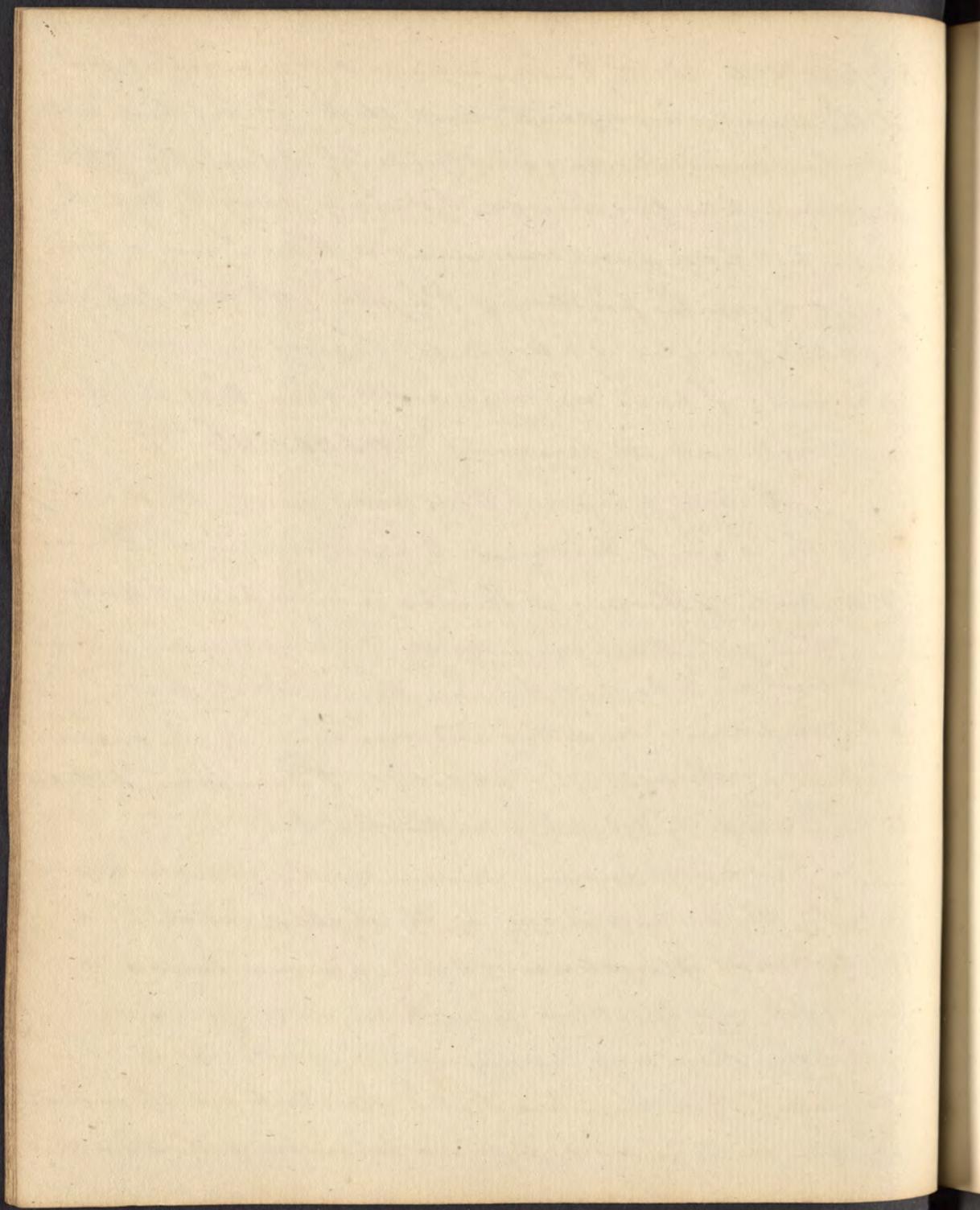
Remote causes are local and general, under the first head are, 1. Fractures. 2. Effusions in the Brain. 3. Calculi. 4. Worms. 5. Tumors in every part of the body.

Those which act generally are 1. Great exertion of body and mind. 2. Violent passions, particularly fear. —

3. Intemperance in eating and drinking. 4. Indulgence to excess in the venereal appetite. 5. Onanism. 6. Repulsive eruptions. 7. Sleeping in the open air. —

The causes produce such a morbidity in the system as to be thrown into action by the slightest cause. It's a higher grade of Hysteric. A fit when once formed is ever after apt to return from habit and association. —

Are there any premonitory symptoms of this disease? Yes there are 1. A bitter taste in the mouth for two or three days before a paroxysm of the disease. —



2 Tremors. 3 Tension or slow pulse. 4 Headache. 5 Inflammation of the eyes. 6 A peculiar smell of the breath.

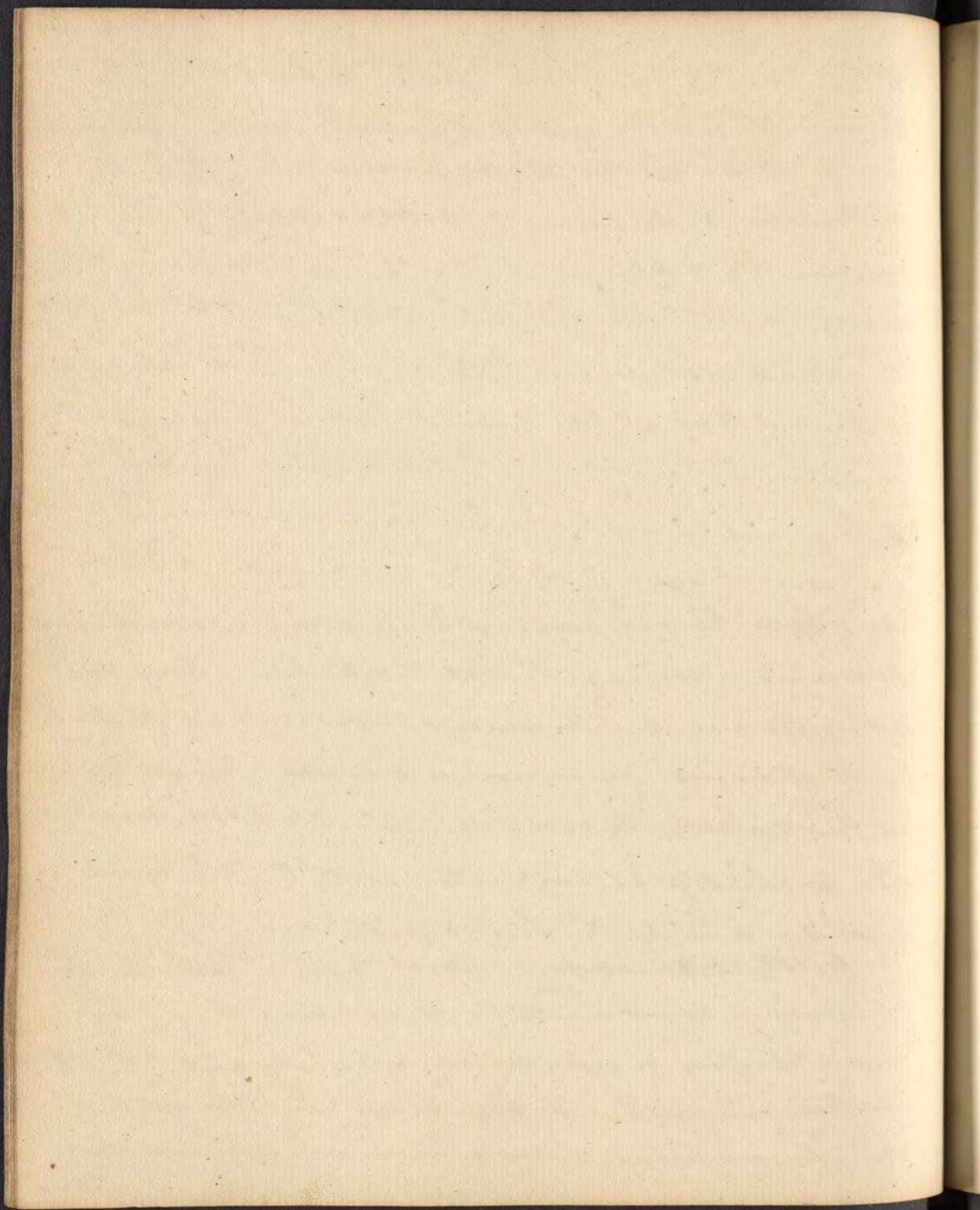
Remedies for the precursors are 1. Vomits.

2 Purges. 3. Abstinence. 4 Bloodletting if the pulse require it. 5 Opium if there be languor or but little action. 6 Sulphur has prevented it as also its smell.

Accidental cures, 1 The change that takes place in the system at the time of puberty has removed Epilepsy. 2 In women, child bearing has cured it. 3 It wears off with age, few have it after they are 50 years of age. 4 Change of climate. 5 Full diet after having previously lived on a low diet has performed a cure, as the late Doct: John Morgan informed me. — The causes suggest to us the propriety of using tonics in this disease. Tonics act in proportion to excitability. Epilepsy in early life is chiefly accompanied with Plthora, a morbid action in the bloodvessels. —

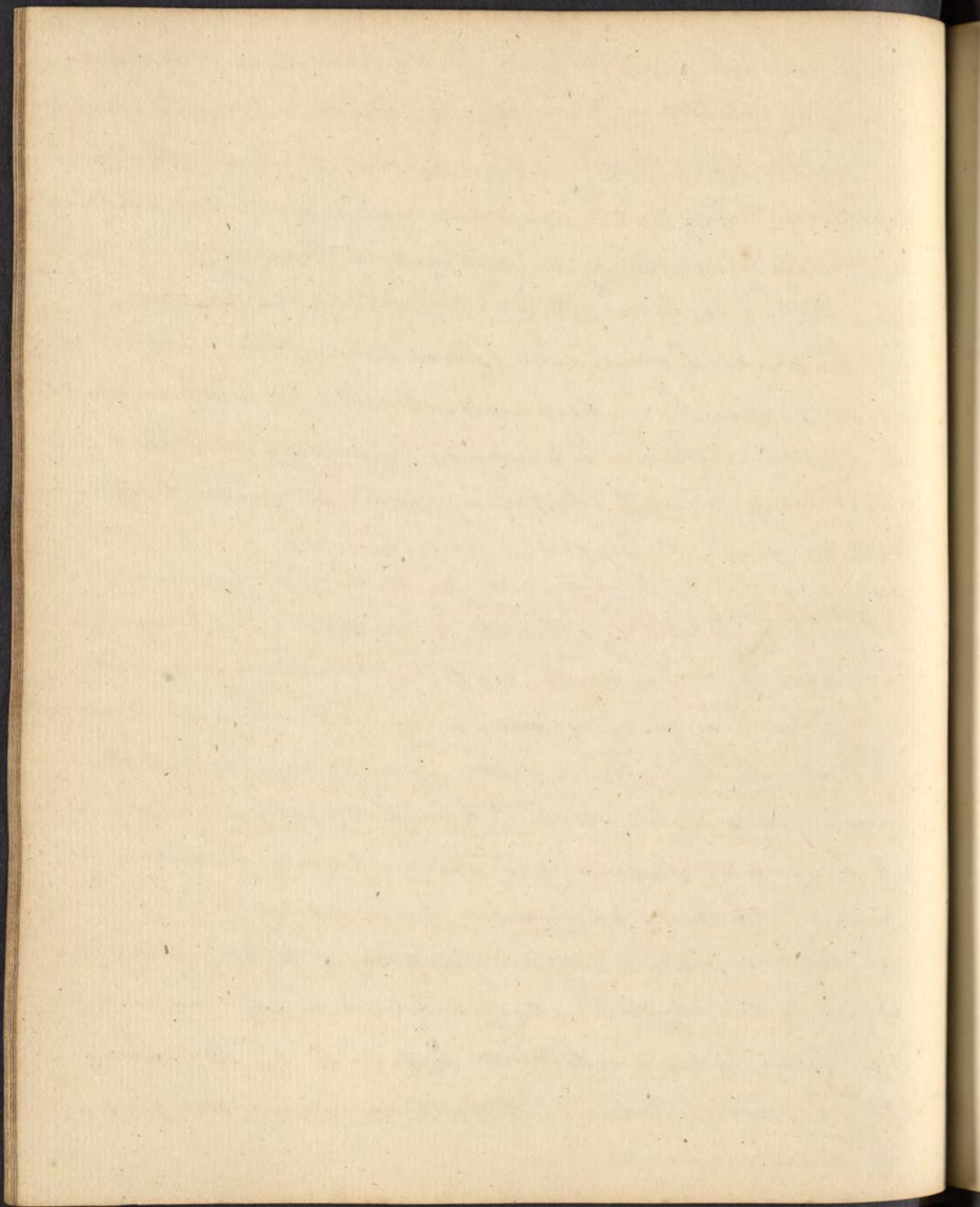
CLVR. 2 Bloodletting. Doct: Brown relates a case of Epilepsy being cured by bloodletting being used, until Drapry was induced; and why not? If blood letting be used here until the system be brought to the explosive point, I can very readily conceive that

this

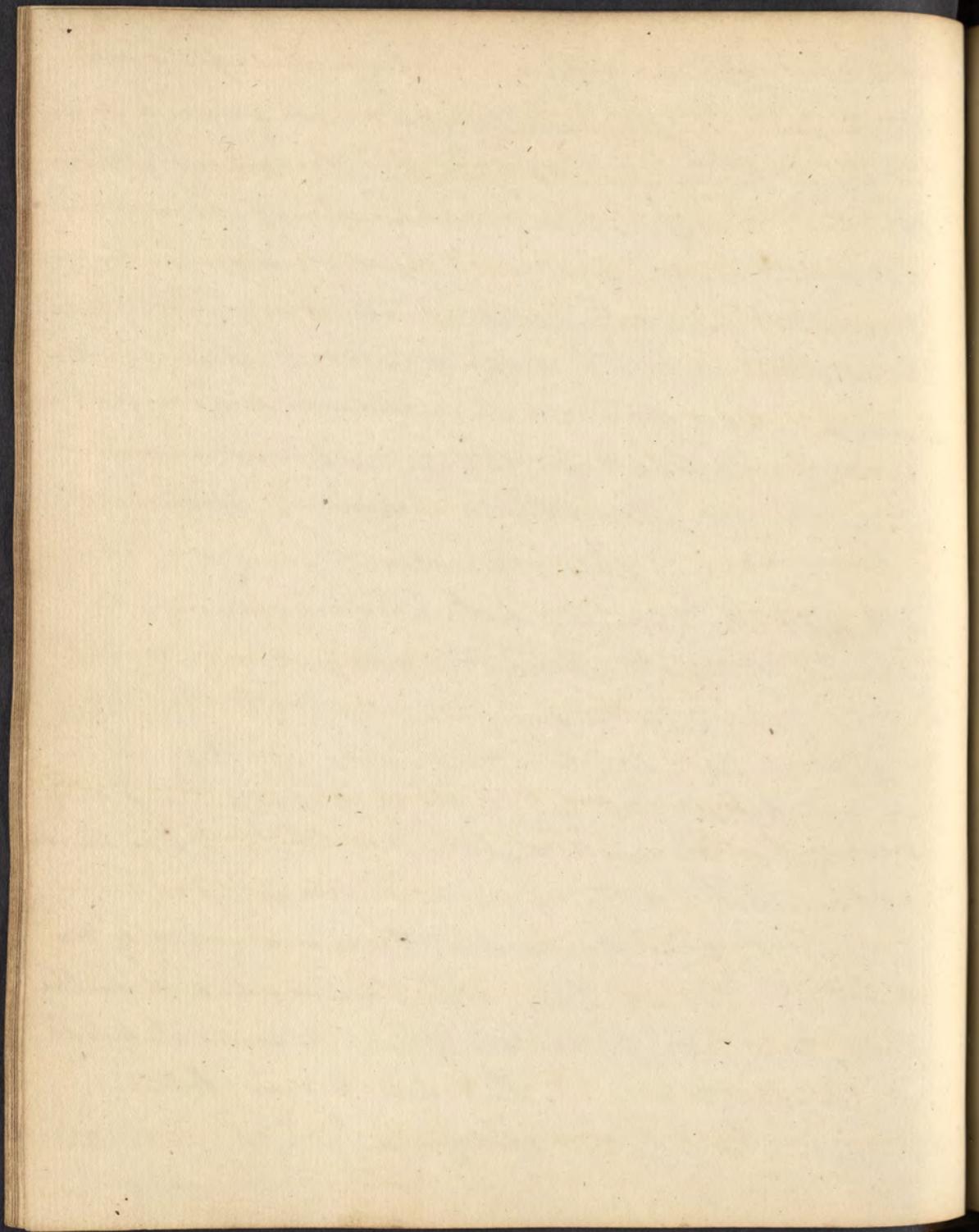


This new disease may remove the old one. Dropy is a much more manageable disease than Epilepsy, and who would not rather have Dropy than Epilepsy. 2, Milk and Vegetable Diet has sometimes cured it. Doct: Cullen put more dependence upon low diet than any thing else in this disease. When I recommend low diet to my patients I generally allow them to use salted meat and fish, it keeps up a tone in the system and at the same time lessens the quantity of Blood. —

According to Doct: Beddoes salted provisions afford leproxygen. 3 Purges. After these remedies are used for some time, the different vegetable and mineral Tonics should be used, As 1 Bark, 2. Mistletoe. 3. Opium. 4. Wine. 5. Magnesia of Bismuth, 6 Steel. 7 Stramonium Seeds, They have a specific action on the brain and Nerves. Doct: Drinker of Maryland informed me he had twice succeeded in the cure of Epilepsy with Stramonium 8 Grains and Saltons. 9 Ligatures round the limbs to prevent the aura Epileptica from rising to the brain, as there is often a retrograde action of the vessels in the body, so the electrod fluid instead of passing out of the body takes a retrograde action to the Brain. — 10 Glycerins of Tobacco. 11. Uniform insusions from diet and passions &c. —



12 Change of climate from a varying to an equal one, which from an uniformity of Stimulus tends to keep up equal excitement. 13 Hard labour. 14 Long journeys. 15. Fear. 16 Salivation has been the only remedy that has proved radical in my hands. I have four times succeeded and twice failed by it. I generally bleed before given mercury. — I have failed in exciting salivation. — All the remote and exciting causes should be avoided. — If the disease has arisen from tumors. They should be extirpated. Worms, calculi &c. should be dislodged. — During the fit bloodletting should be used. — 6 Hysteria is attended with a rumbling noise in the abdomen. Globus Hystericus. Ticklings of mind &c. — They are constant only in inconstancy. It has therefore with propriety been called a protean like Disorder. — It appears sometimes in the form of Aprostrophy and swelling of the face and extremities. It arises from heatiness and does not fit like acropical swellings. It appears also in the form of head aches, chilliness also attends, clausus hystericus which is a coldness of a small spot in the head, Despondency. Despair, Inurance of urine, Waterfullings,ightfull dreams, Laughter, Crying, Sobbing! Dyspepsia &c. This last symptom never appears in this Disease



Disease but when it is tending to Hypochondriasis. For a description of Hysteria vide Sydenham and Cullen. It affects women more than men and those between puberty and thirty five. I have seen it however at the age of six years. It continues frequently through the whole period of menstruation. Single women, Widows and barren women are most subject to it. Predisposing cause of this disease is debility accompanied with a plethoric state of the Bloodvessels. Remote causes are, 1. An obstructed or an unusual flow of the catamenia. 2 Strong tea. 3 Leucorrhœa. 4 Lasciviousness &c. —

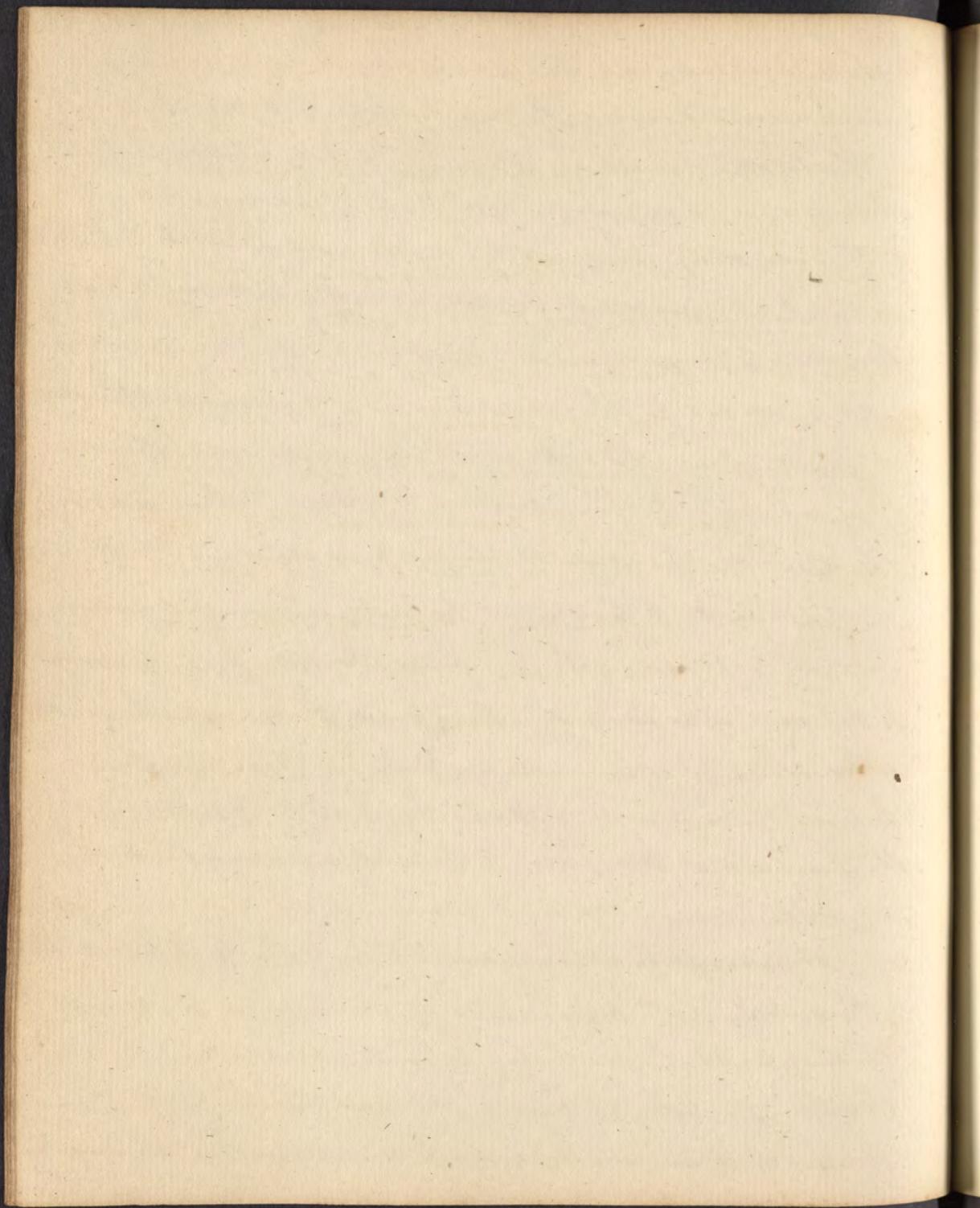
Exciting causes are 1. Sudden emotions of the mind. 2 Offensive smells. 3 Heated and impure air. — 4 Fatigue. The mobility of the system is great the excitement very weak. —

Hysteria and Hypochondriasis are distinguished from each other as follows, 1 Hysterical patients have a great disposition to motion which is not the case in Hypochondriac. 2 In Hysteria there is great instability of mind. In Hypochondriasis there is great uniformity of mind and one object is always in pursuit. 3 Hysteria is always worse in hot and best in cold weather, and vice versa in Hypochondriasis. 4 Hysteria affects women more than men. 5 There is a Globus Hystericus.

6 In Hypochondriasis Dyspepsia occurs. — Hysteria is to Hypochondriasis, what Typhus fever is to Synochia. —

The CURE, consists in lessening the excitability of the system and changing it into healthy excitement, by
 1, Bloodletting, provided the pulse will bear it. 2 Cold bath. 3 Stimulating Gums, as 1 Aparatida. 2 Galbanum. 3 Sagapenum. 4 Myrrh. 5 Stimulating applications to the Abdomen as a Galbanum Plaster.
 6 Compressing the body with bandages and thereby giving tone to the Nervous system. 7 Accomodating the diet to the state of the system whether Plethora or otherwise. 8 Constant pursuit of some interesting subject. — Hence the necessity of calling such women to the care of a family. Few good Housewives have it.
 9 Excitement of some steady passion. Fear and Grief however strange it may sound have cured Hysteria, also the pursuit of Religion. 10 Cold climate and Air. —
 11 Matrimony.

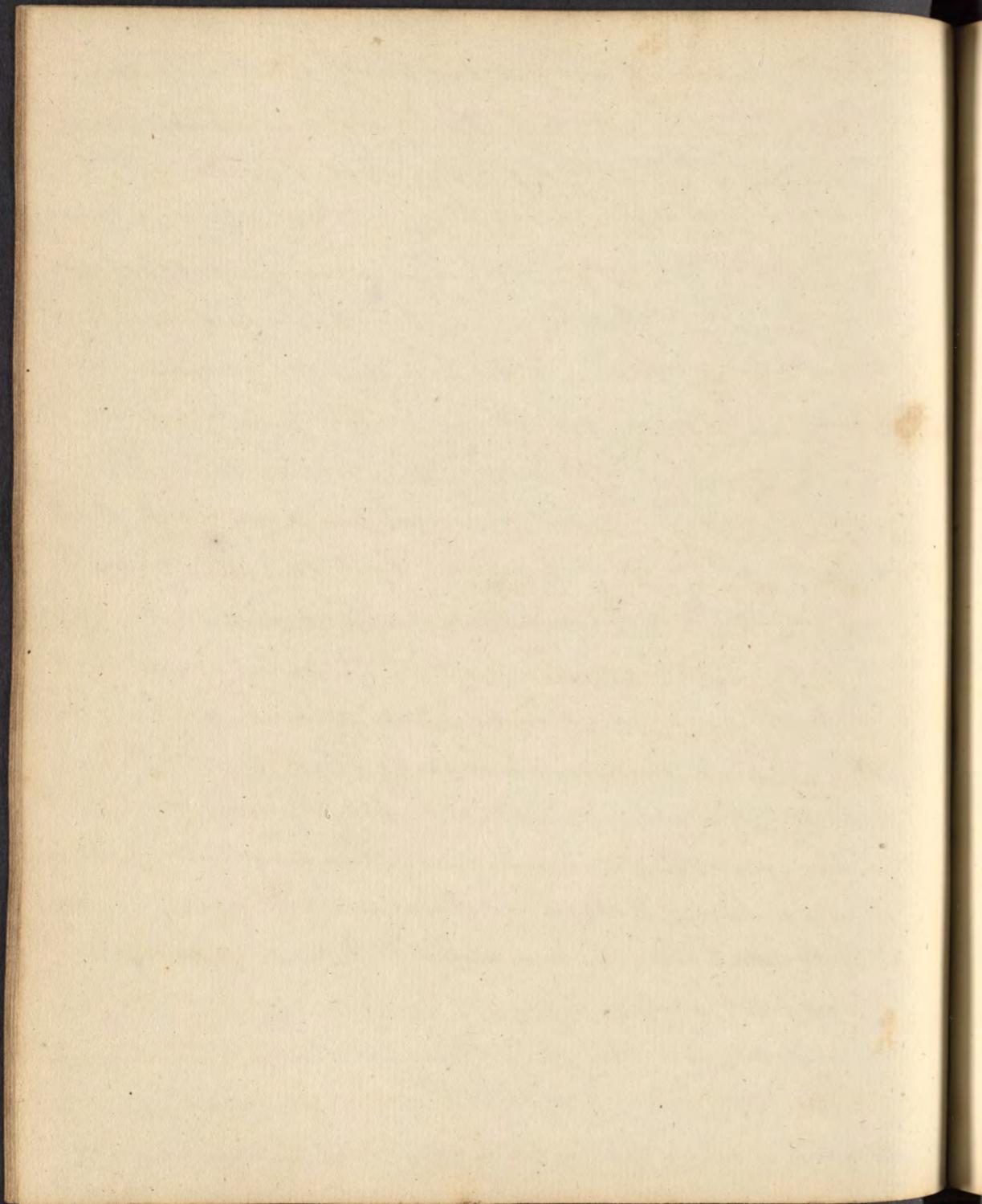
A paroxysm of Hysteria is to be cured by, 1, Bloodletting 2 Pediluvium. 3 Discharging wind from the bowels by means of Injections. 4 Garlic or mustard to the feet. 5 Opium. 6 Fumis of burnt Feathers &c. There appears to be an inverted order of motion in this Disease, —



7. Asthma is a difficulty of breathing mostly accompanied with a malconformation of the Lungs, and unattended with cough. 'Tis evidently a nervous disease. —

Predisposing cause is debility. — Exciting causes are, Heat, Passions, Particular odours, repulsive evap-
tions, Indigestible food. This should teach you to be
particularly attentive to the food of your asthmatic
Patients. It occurs sometimes in Gout and during
Pregnancy. — Proximate cause is spasm of the
bronchial vessels. — The precursors are drowsiness, flat-
ulence &c. It may be prevented by 1. Bloodletting. 2.
Emetics. 3 Pediluvium. A fit of Asthma is to be
treated by, 1 Bloodletting if the Pulse require it.
2 Cold air and cold drinks. 3 Vomits of 10 symel of
Squills, 2. Tartar Emetic or 3 Glycerin. —

4 Gentle Purges. — After the system is reduced give
1. Laudanum. 2 Sal ammoniac has been used. 4 Warmth
is now proper. 4 Bapours of warm water impregnated
with scrapings of horseradish. 5 Blisters to the ankles
and wrists. 6 Pediluvium. 7 Acids as vinegar or
Elixir of Vitriol. Sir John Floryer highly recommends
acids. — Can Asthma be eradicated from the lungs?
When not from an organic affection of the lungs it may. —

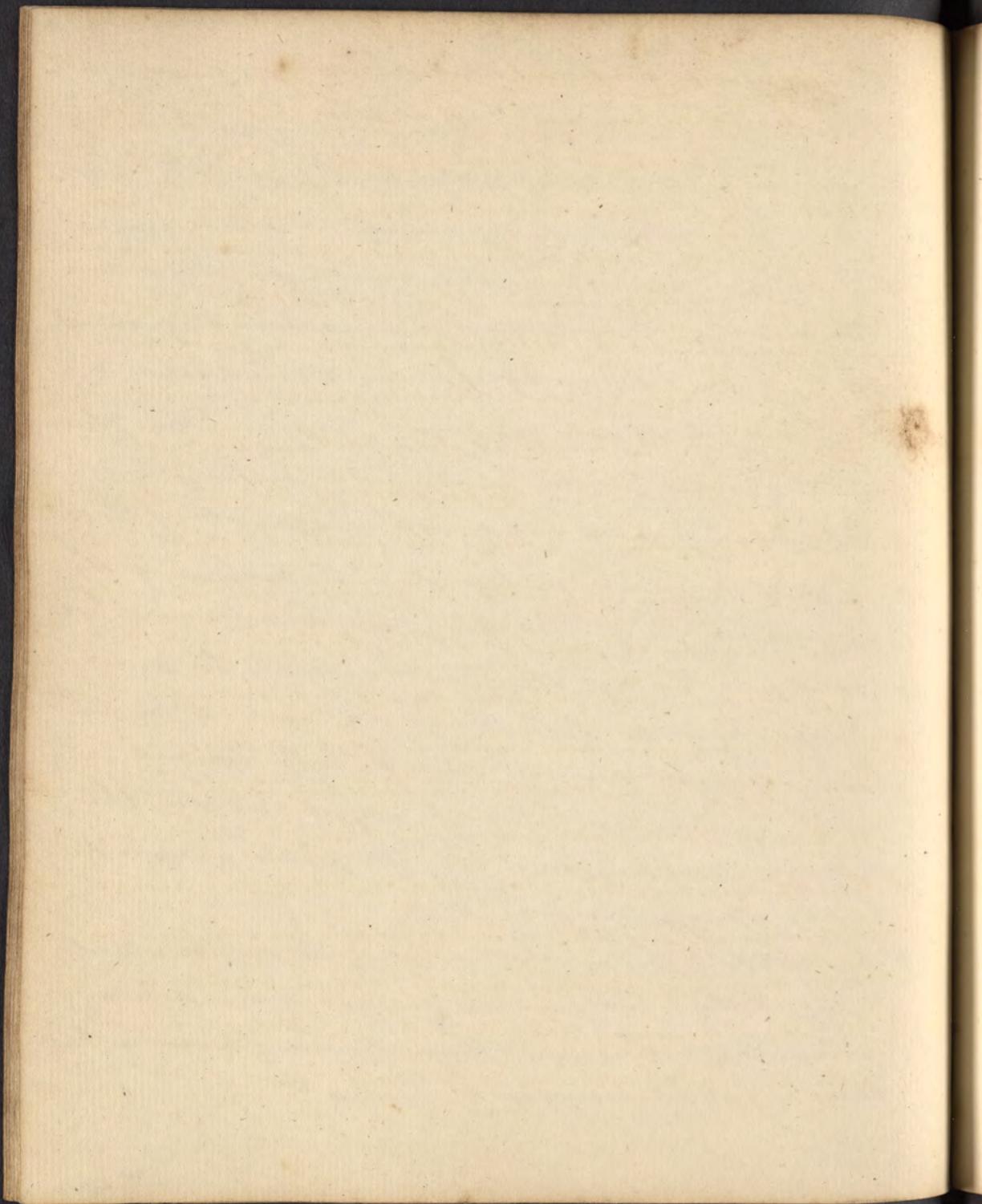


Methods of avoiding it are 1. Carefully to avoid a plethora by occasional bloodletting and an abstemious diet. 2, By avoiding all kinds of indigestible food. 3, By a climate and air suited to the disease. A moist atmosphere in most cases seems to be necessary. 4, By setons. 5, By avoiding the occasional causes as cold feet, much heat &c. 6, An Indian life has cured this disease. a labours life should therefore be recommended. 7, Such patients should sleep on matresses or on the floor. —

8, By returning to old habits as to snuffing &c. 9, The cold bath is of immense consequence. It is a disease of the whole system. The more we treat any disease as an Intermittent fever the more successfull we shall be. as we will then remember to use Tonics or Stimulants in the Intervals and evacuants during the Paroxysm. —

Asthma is distinguished into moist and dry, the latter is always the worst kind. The former relieves the Lungs by expectoration. —

8, Dyspnoea, differs from asthma in being more constant. It frequently arises from the same causes particularly from enlarged viscera. From effusion of water in the Thorax, fat, tumours in the Trachea &c.



of Postepidemic, occurs from contagion, rarely attended with fever. Children are most subject to it. Vide Doct. Cullen. It is a nervous disease, it sometimes exists without whooping: —

CURE, In the cure of this disease, the pulse, season of the year and habit of the patient should be attended to. If morbid action exists we should use, 1 Bloodletting. 2. Emetics should by all means begin every day, particularly squills and Ipecacuanha, sometimes Tartar emetic. 3 Purges as Rhubarb and Calomel. — 4 Cold air, as riding in the cold air. 5, Fear has suspended the paroxysm. — After the morbid action is reduced Doct. Cullen supposes the disease to be kept up from habit, perhaps it may be so, we should then give, 1. Opium, 2. Tinct. Aqapatica. 3. Oil of Amber. 4 Garlic 5 Cantharides has been recommended. 6 External applications as 1. Pitch plasters. 2. Blisters. 3. Spirituous infusion of Garlic rubbed on the Spine. — 7 Change of air. 8 Gentle exercise. The ordinary period of this disease is six weeks; though it is by no means constant. Superstition in remedies for this disease, has prevailed more perhaps, than in any other. The Love of Money and the desire of health appear to lull all capacities. —

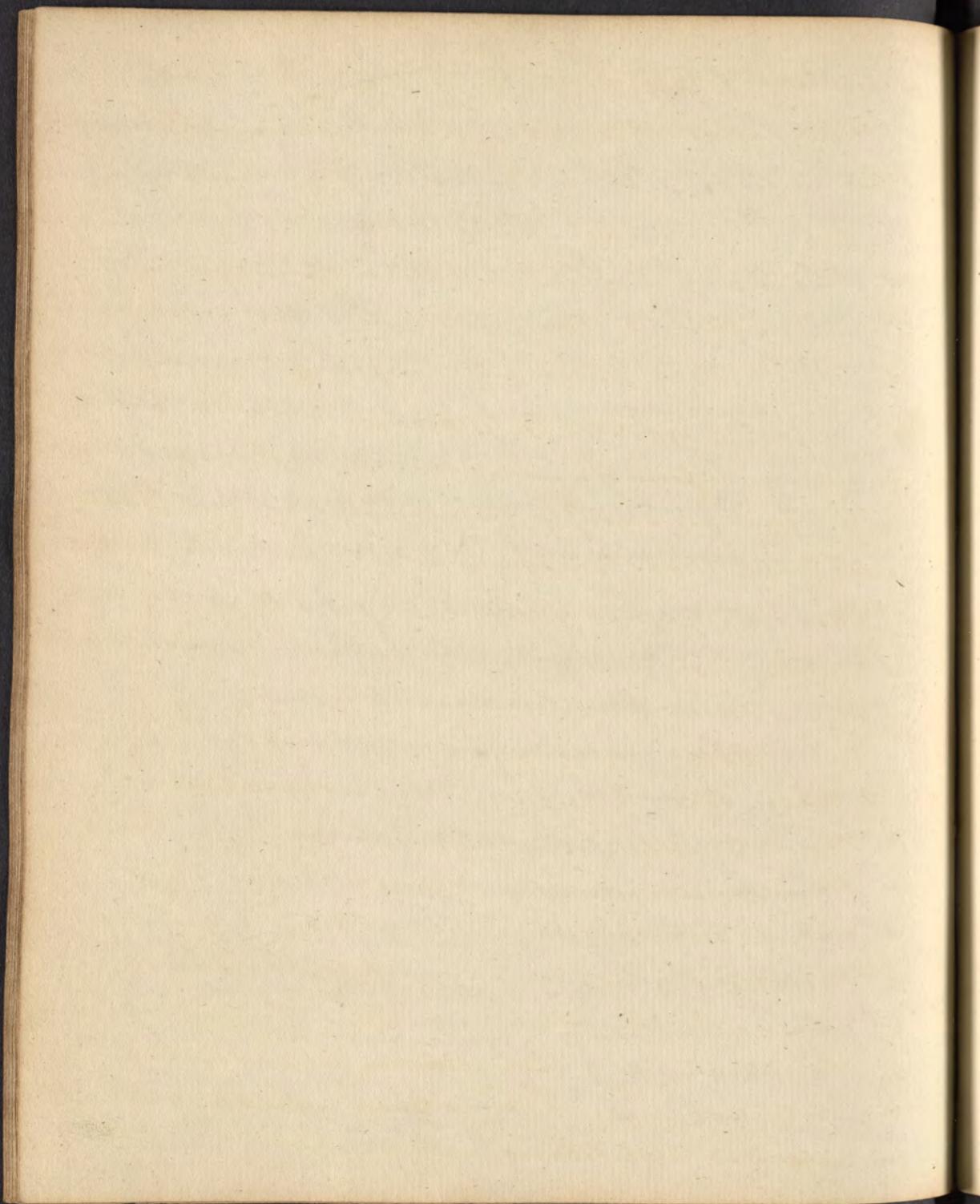
10 Chollic. There is certainly a nervous species of this disease I formerly described the febrile chollic which can always be known from the pulse and other symptoms, season of year &c. We now shall speak of chollic with increased excitability and debility of the nerves and muscles. It is mostly unattended with fever. — Remote causes, are, 1. General diseases as, Hypoferia, Hypochondriasis, Gout &c. 2 Diseases of contiguous parts as, Nephritis, Hepatitis &c. Remedies in this case must be directed to the original disease. 3 Certain aliment will produce, as Cabbage, Water impregnated with lead, sour victuals, Honey, calculi, Arsenic and Copper, Stone fruits, Lamb, Beal, fat meat &c. Deranged state of the Intestines from ruptures will often produce it. —

Exciting causes are several of the remote causes, Cola-fet, Strong tea &c. —

Predisposing cause is Debility. —

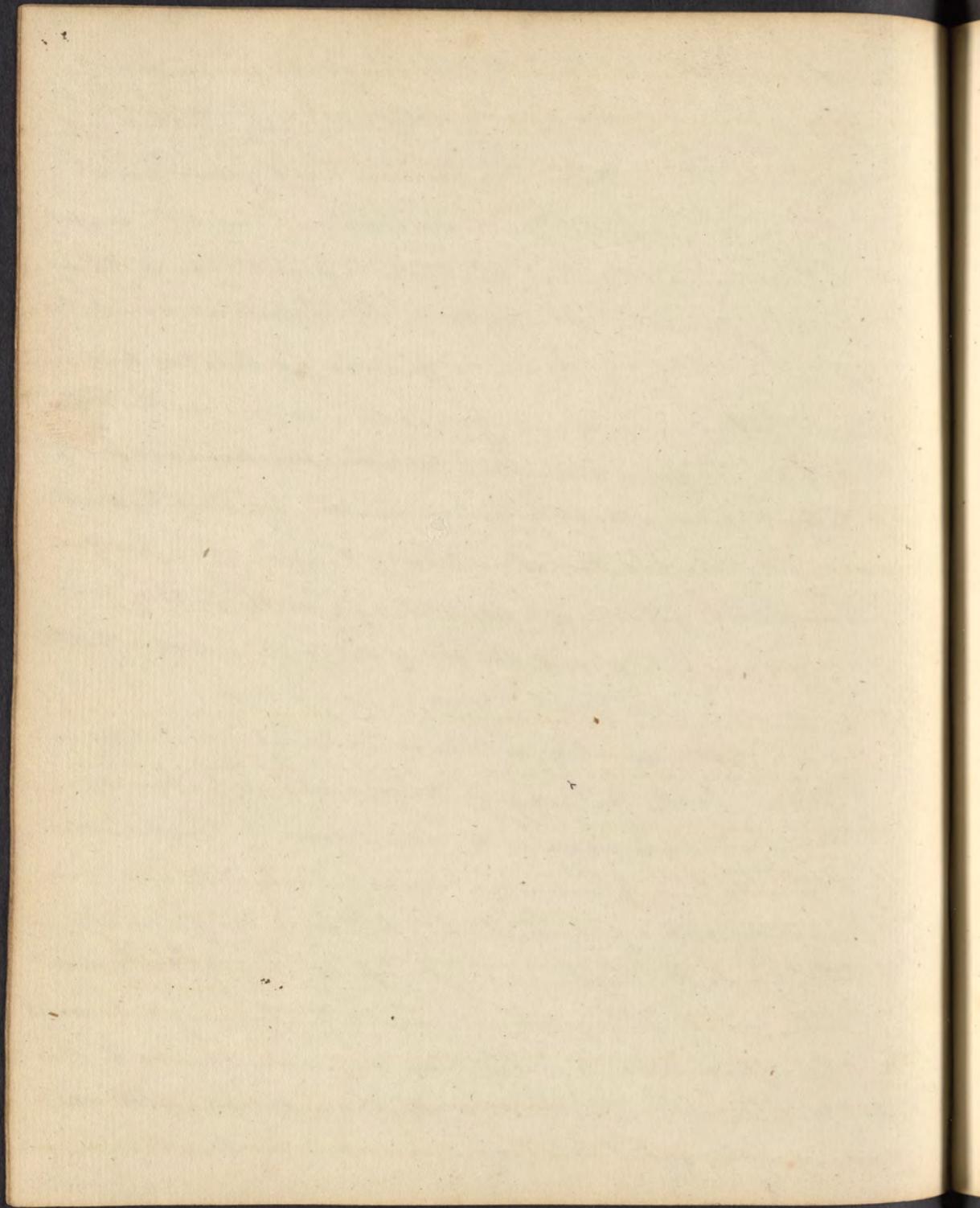
Proximate cause is spasm most frequently in the Ilium. The Iliac passion, Cholica Pectorum &c. are nothing but higher grades of this disease. —

There is certainly a foundation for the bilious and nervous cholics; the one is inflammatory the other not. — When Premonitory symptoms appear as



flatulency, slight pain &c. It may be prevented by
 1. Sard. Liquid. gr. x - xv. 2 Pediluvium. 3 Riding
 a few miles. - When the disease has formed and
 morbid action exists. 1 Bloodletting should be employ-
 ed. I have used it where the pulse informed me nothing.
 Pain and spasms often call for the lancet as much as
 any thing else. 2 Lenient purges, as Castor Oil,
 Cam. Tartar. & Salts. 3. Guaiacum is used in the West
 Indies in the form of a watery solution sweetened as a purge.
 4 Glycerins are strongly recommended by Doct. Cadwal-
 ader. He thought they should only be used after purges.
 I have used Glycerins of cold water from thij to thij with
 advantage. 5 During the use of these remedies a little
 Opium should be used to ease pain. -

After morbid action is subdued give 1. Opium,
 2. Warm bath. 3 Purges of Rhubarb and Calomel. -
 4. Warm and stimulating applications to the bowels. -
 5. Stimulating Glycerins as Tobacco which will act from
 its quality and water which will act from its quantity. -
 6. Blister to the thighs are very unuseful, they should not
 be used until the system is reduced. 7 Throwing cold water
 on the extremities. 8 Salivation no person should be let
 die without using it. It is almost infallible. 9 Water
 impregnated with tobacco juice or smoke has been recom-
 mend



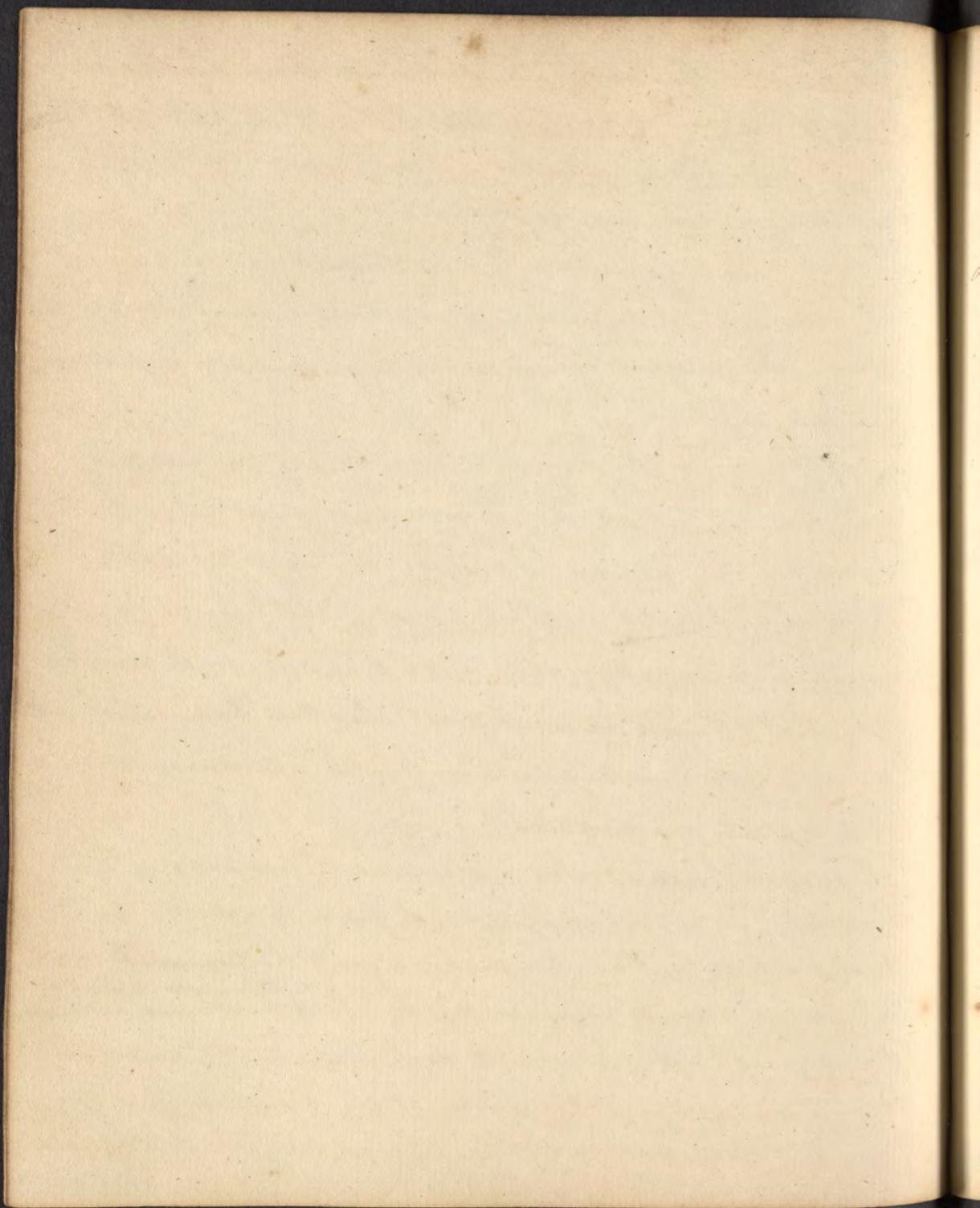
mined to drink in cholera. 11, A Spanish Physician has strongly recommended Sacchar. Saturni. 10 Tea of burdock root.

Favourable symptoms are an increase of urine, Crupitus, appearance of Scybala &c. —

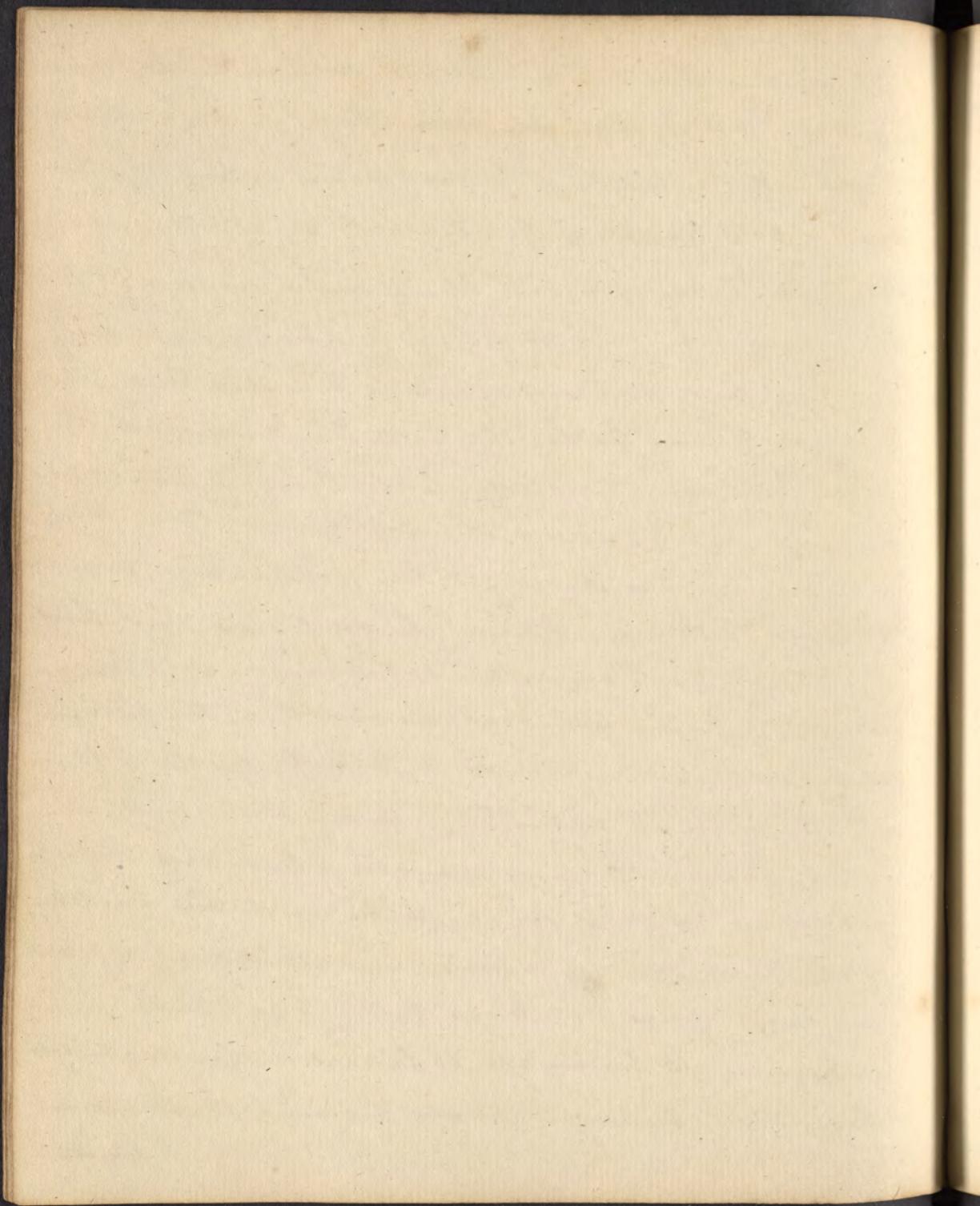
A paralysis sometimes succeeds which may be removed by depletion and stimulating applications. It seldom comes on after sufficient depletion has been used —

It may be prevented during the intervals by attention to diet. A mixture of Aliment should be avoided. The potatoe is almost the only vegetable that can be used with impunity. Cicerwings should be particularly avoided. Cold feet should be avoided. Flannel should be worn next the skin. Exercise should be used. The habitual use of Garlic and Onions have wonderfull good effects.

11, DIARRHOEA is often a disease of the muscles of the Intestines unaccompanied with fever, produced by causes acting in the alimentary canal humorally as acrid matter of various kinds, ^{such as Bile, Pur, acrid Aliment &c.} It sometimes attends Pregnancy. An invariable diarrhoea in Children sometimes arises from obstruction of the Lacteals and Mesenteric Glands. — When there appears to be Pethora ^{1/1 Bloodlet}



1 Bloodletting should be used. Doct. Sydenham highly recommends it. 2 Purges are often given though improperly, none should be given except Rhubarb toasted in this way it gaipes less. 3 Comfits of Specumantia are excellent in Diarrhoea. 4 Opiates with Specumantia are good, Rx. Specum. Rhubarb. ox. g. ij. Gum. Opii. f. j. tea in die. — 5 Stimulants and astringents as Rino, Oak bark, Per-
simmon Gum, Galla. Rx. Galla 3p. Nucis mosch. N. j. Spirit, Gaul. 8f. The spirits should be burned untill as much is destroyed as can, then add an equal quantity of water and a loaf Sugar g. s. dose cocklea Magn. tea in die 6 Tonics, Bitters of all kinds should be used. They should be combined with aromatics as Cinnamon &c. of Balsam ic medicines are often very serviceable, as the balsam of Copaiava and Turpentine in Pills. 8 Glysters of Specu. 3p. Opium f. ij and Pine jelly are very serviceable. — 9 Mullen milk, large draughts of toast and Water, mallowes tea &c. 10 Blisters to the wrists and ankles — 11 Suitable diet, i.e, acent and alkalescent as occasion may require. 12 Warm bath. 13 Cold bath. — 14 Exercise. 15 Sea voyage. 16 Salivation should always be used. 17 A change of water has cured. 18 Attention / should



should be had to the reports in which the patients virtually are cooked. I have known an habitual Diarrhoea cured by a Pleurisy. —

12 Dyspepsis is attended with flatulency, pain in the Stomach, acid eructations &c.

Causes which act directly in producing it are bitters, Tobacco, Ardent Spirits, Opium, Strong tea, frequent repetition of Gross food, also with much liquids. Swallowing aliment without mastication, frequent vomits, rejection of Saliva by Tobacco, much Sugar, Nitre &c. — Causes which produce Dyspepsia by acting on the whole system are, 1. A sedentary Life, 2. Recitation of mind. 3. Excess of Venery. 4. Much Study 5. Frequent intoxication. —

Predisposing cause is general or local debility. —

Proximate cause is an increase of action in the muscular fibres of the Stomach. Mr. Hunter supposes life to be seated in the Stomach. —

Remote causes, (in addition) are Cephalic Aliment and diet &c.

CURE, Palliative remedies are, 1. Magnesia, 2. Lime Water. 3. Alkalies. 4. Common Salt by itself and with Lime Juic. 5. Milk when Gastrodynia attends. 6. Opium

Opium when Gastroduyne attends and just before eating.
7. Laxative medicines particularly abortive Pills.

Radical Cure.

1. All causes must be avoided. 2. Vetch. Alba. or Specie.
3. Bloodletting may be necessary when much Gastroduyne attends. 4. Bitter as Camomile, Peppermint, Columbo &c. Also Horseradish, Garlic, Aromatic substances, as Orange Peel, Pepper &c. Dr. Cullen advises Bark it is not good. 5. The rust of Iron with five grains of Powdered Columbo to each dose, makes the most valuable preparation in this disease. Preparations of Iron darken the stools. 6. Salivation should by all means be used when other methods fail. - 7. Diet must be accommodated to the state of the patient. Beef, mutton, wild fowl, salted meat and raw oysters, biscuit, toasted bread &c. No liquors should be taken with the patients diet. I always forbade them to drink while eating. A glass of good Madeira or Porter may be allowed afterwards. - The quantity of food should be small, and as the smell of food often destroys the appetite, the patient should be kept from large tables. Each kind of food must be kept separately. - If patients rejects food in all these instances, this aliment should be given them in bread. Turnips, of the vegetables, are

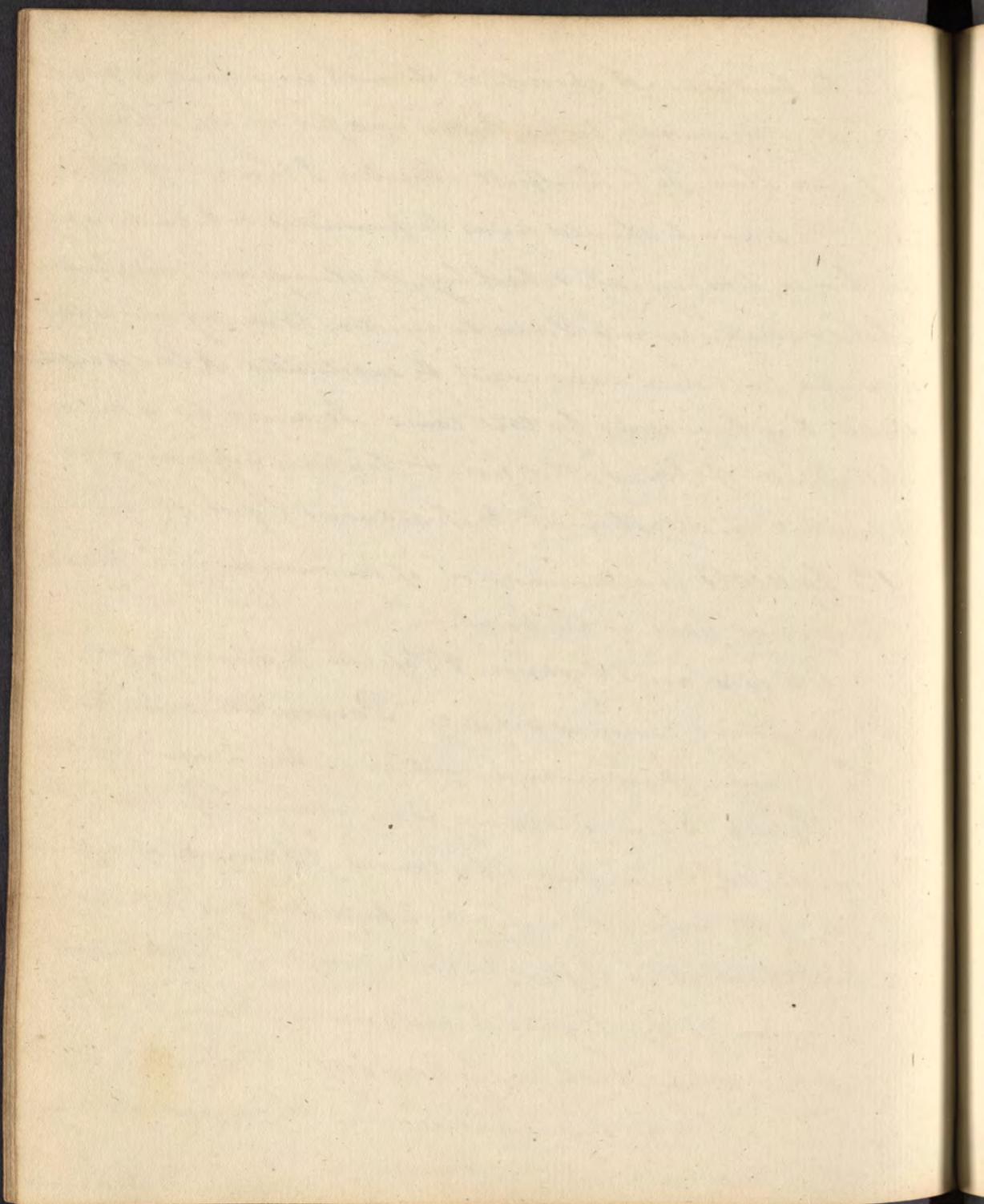
are to be professed. A spoonfull of milk every hour is excellent. It is common to forbid butter and fat meats, I have not found them to be hurtfull. Butter I think is of service. The stomach should never be permitted to be quite empty, for when so, like an idle school boy, it always does mischief— Should Madeira and Porter be rejected, Brandy and water or simple toast and water must be substituted. A love of ardent spirits has been cured by tact. emol. It cures by a new association of Ideas. Religion &c. Tea and Coffee are good to prevent an attachment to spirituous liquors.

13 Syncope is a diminution of the motion of the Heart and every part of the body. —

Caused an, 1 Organic. 2 Passion. 3 Hemorrhage. — Prairying cause is debility. Proximate cause is the absence of action and motion in the nervous system.

CURE, When it is owing to an organic affection it is incurable, when from other causes. 1 Stimuli of different kinds to the nose. 2 Fresh air. 3 cold water. 4 Blisters. — 5 Cataplasms. — Syncope from drinking cold water, is to be cured by Liquid. Laudanum. When from heat the warm bath is the remedy. Prevented by exercise, the cold bath and avoiding the causes. It may always be overcome by resolution: —

11. Asphyxia



14. Asphyxia, Resembles Death in a striking manner. — It is a state of inaction. Substances taken into the stomach produce it, also Cold & sometimes contagion and Carbuncles and gas. —

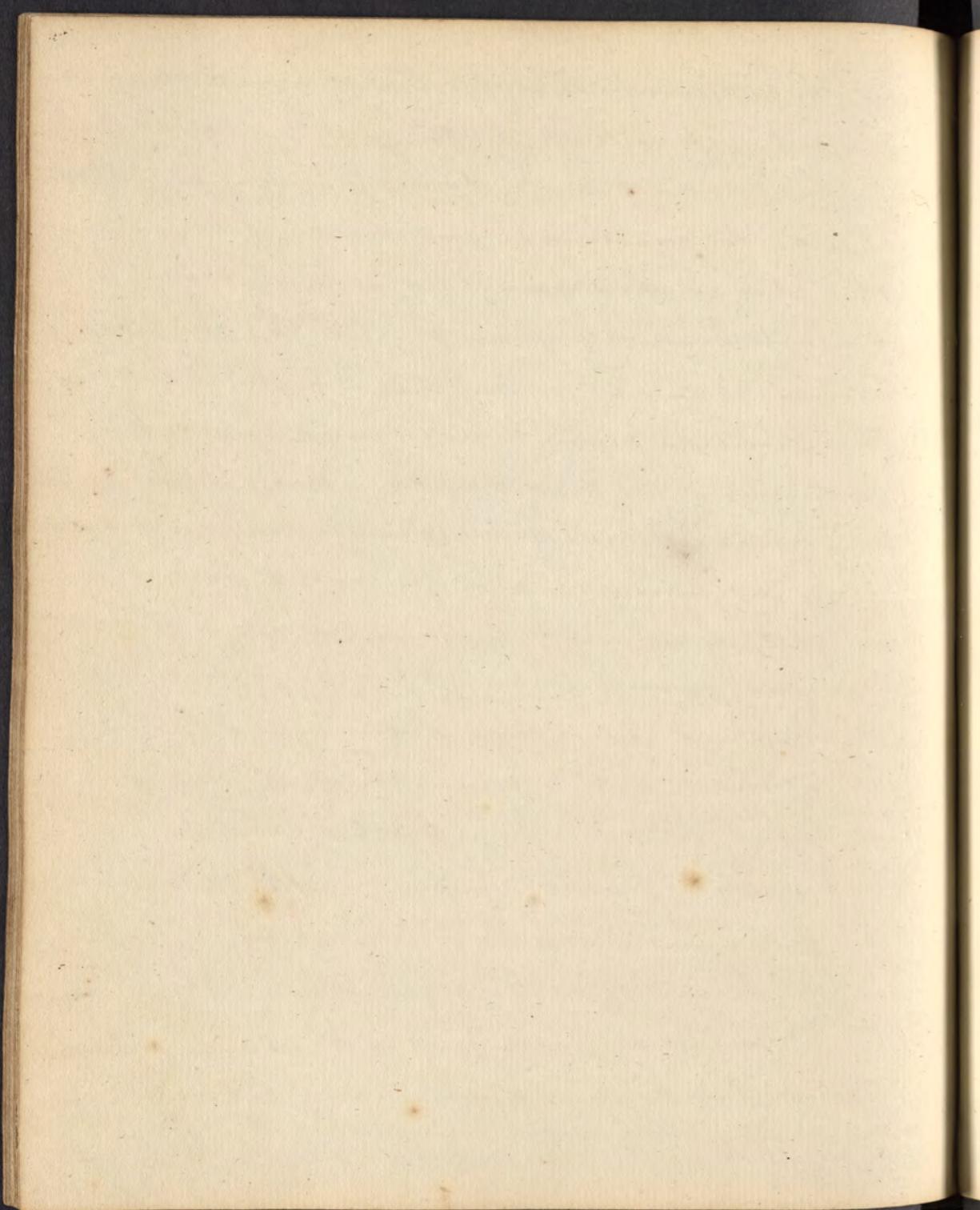
Cure, This is different as to the cause producing it. Life depends upon the stimulus of heat to the whole system and of oxygen to the lungs. In order therefore to restore life these stimuli should be applied. They should be used according to the state of the system. Frictions &c. are serviceable. Death from drowning is caused by an obstruction of asphyxiated air. Stimuli of all kinds should be gradually applied. Vomiting, Bloodletting and Purging are improper. The body is lighter than water; Why does it sink at first? 'Tis owing to the contraction of the Fibres. Why does it afterwards rise. 'Tis owing to putrefaction. Asphyxia from hanging is to be treated in a similar manner. —

15 Head ache, is partly arterial and partly nervous. It is symptom oftentimes of inflammatory action in the different states of fevers. The remedies in such cases must be such as are recommended in those states of fever. When it occurs in fevers of too little action it is to be cured by wine, Opium &c. By equally differ-
sing

sing the excitement through the system. Intermittent headache is to be cured by the same remedies that cure intermitting fever. Sometimes it is a symptom of Gout. 'Tis sometimes symptomatic of Rheumatism. When chronic the steams of hot water are good.

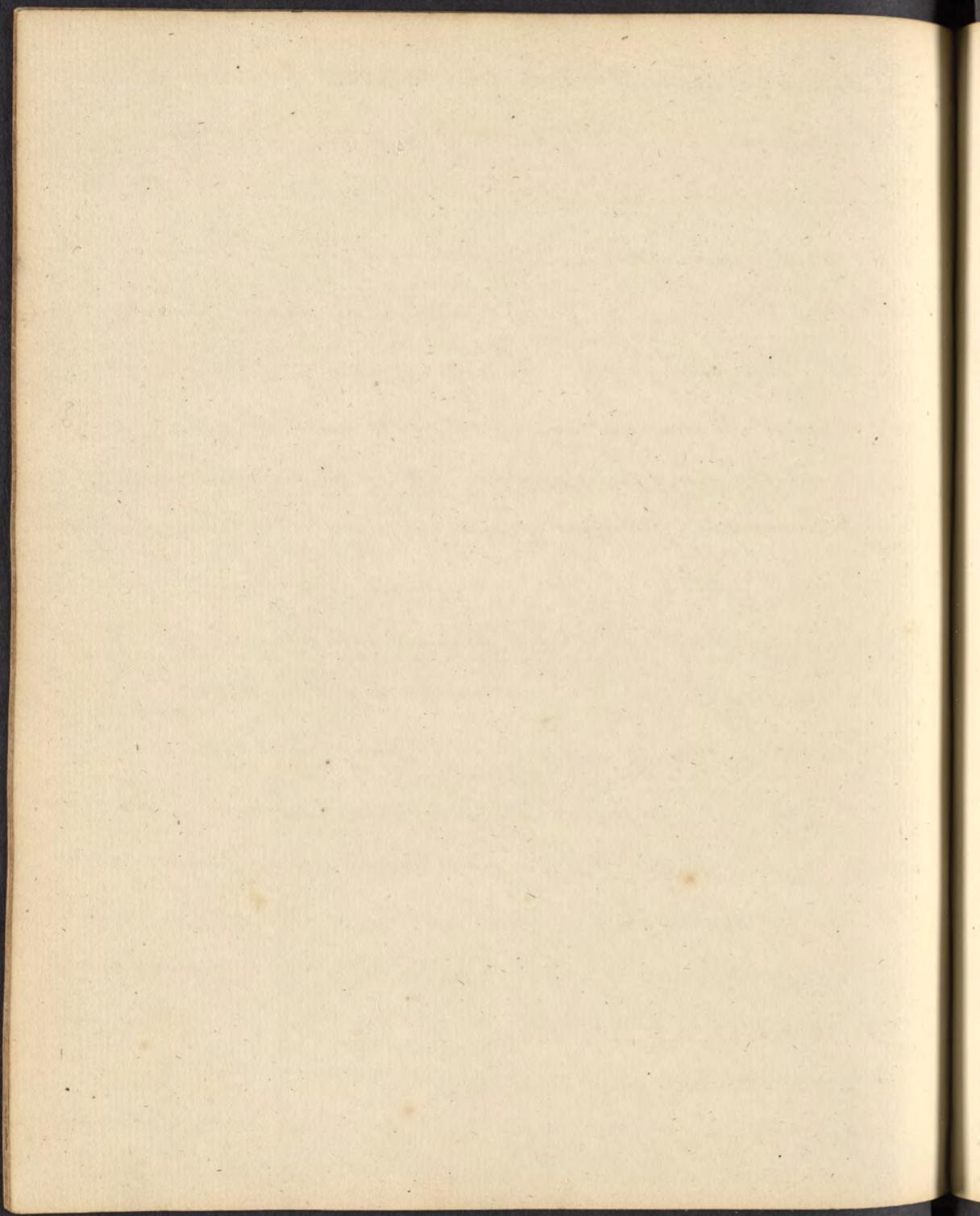
Headache frequently occurs at that Period of life between 35 and 40, when there is a struggle between the arteries and veins. 'Tis to be cured by aperient. — Contusions of the head are often a cause of this complaint. Sometimes incisions to the cranium are necessary. — Obstructed menses are often the cause of headache. The obstruction must be removed to relieve the disease. 'Tis often formed by abscesses in the frontal sinuses. It sometimes occurs from Influenza. I have seen it alternate with a dimobility of the Arms. — It frequently occurs from Dyspepsia. From certain Stimulants as Butter, Chocolate &c. All the causes are to be avoided in order to prevent it. The contents of the abdomen are to be evacuated. —

During the paroxysms of Headache a little Liqueur Laudanum or wine may be given. — The sick Headache is perfectly cured by a dose of Laud.



of Sanguinum. A little bloodletting is really necessary. When headache is the effect of Hysteric and Hypochondriasis, the remedies for it are the same as for those diseases. Sometimes it alternates with mania. In this case excitement is transferred from the nerves to the Blood-vessels. It alternates with tumors. — It arises from extremes of cold and heat, from certain odours and winds, also from intense study, hence called *Morbus studiorum*. Mercury, lodged in the Diploe of the cranium has been found a cause of it. When the arterial system is affected we can readily be informed by the Pulse.

CURE, 1 Bloodletting. 2. Cupping. 3. Salsatives. 4, Bark when periodical. 5 Blisters. 6 Fries. 7 Darkness, Silence, and Rest. 8 Cold applications as vinegar &c. 9 Tight ligatures as well as the exciting causes are to be avoided. When the Pulse discovers marks of Inflammation Digitalis is usefull. When there is arterial action Coffee should be avoided. Emetics only afford temporary relief. Rad. Balsam has been



been used; When there is too little action we must use
 1. Opium. 2 Wine. 3 Asparagine. 4 Gentle Stimulating
 food. 5 Blisters. 6 Stimulatives. 7 Tea and Coffee.
 8 Ether. 9 Cloves applied externally. 10 Paeiluvium.
 11. Cold bath. 12 Salivation.

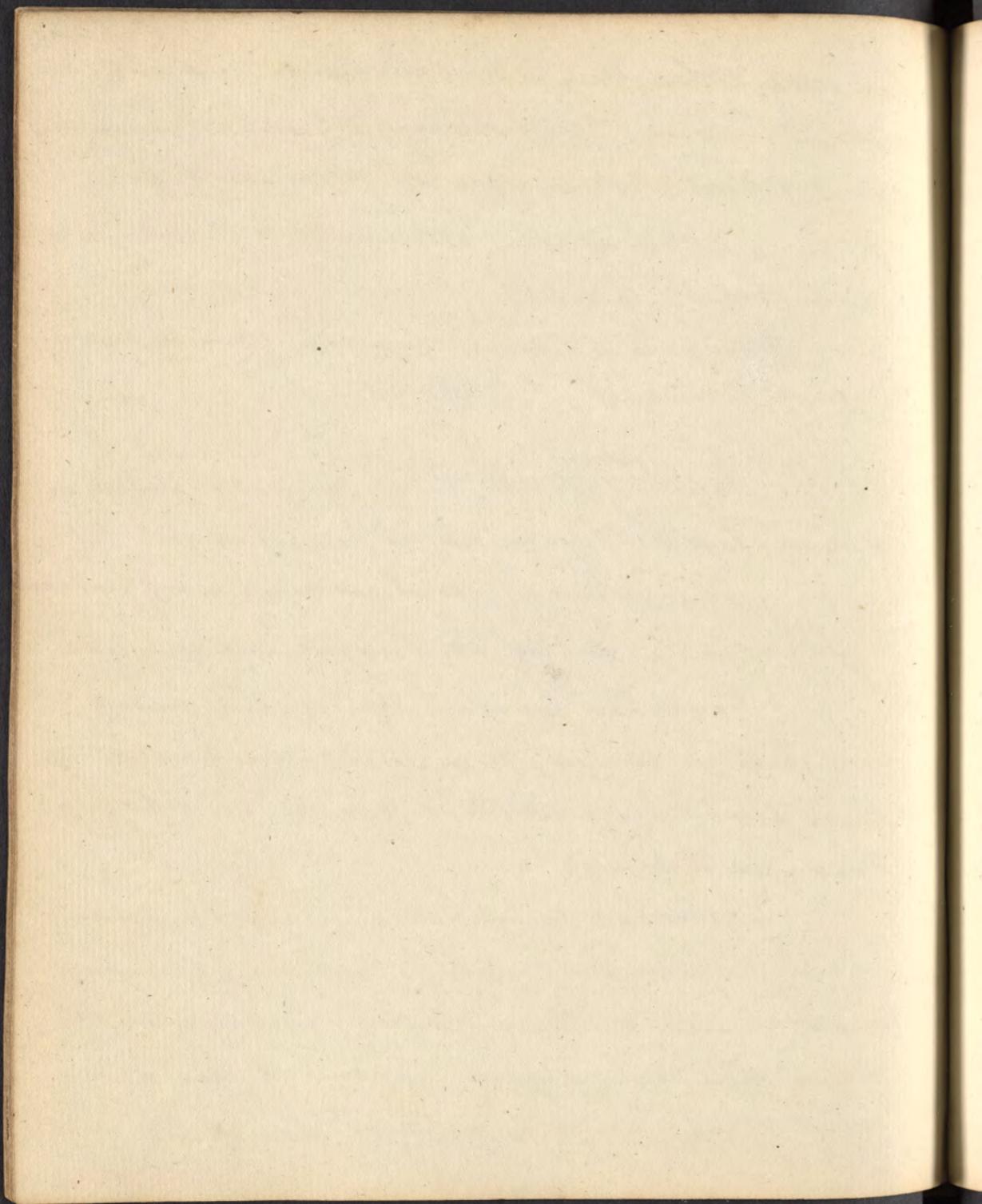
Headache of long continuance often ensues in
 Deafness, Blindness, Fatuity &c —

16 Venereal Disease, is the prerogative of God, not
 of man (says Dr. Sydenham) to punish men. —

It is divided into Lues venerea and Gonorrhœa.
 Gonorrhœa is divided into benigna and virulenta.

Gonorrhœa benigna, occurs from much
 venery, from bruises, from Gout and intermitting
 fever, from new impressions, from malleability as
 Fear and teething. —

Gonorrhœa virulenta arises in consequence of
 impure coition, from a tainted bed, tainted necessary,
 tainted brushes &c. Hard drinking will recruit it.
 From three to six days is the general period, in
 which it appears after contact, though it will
 appear

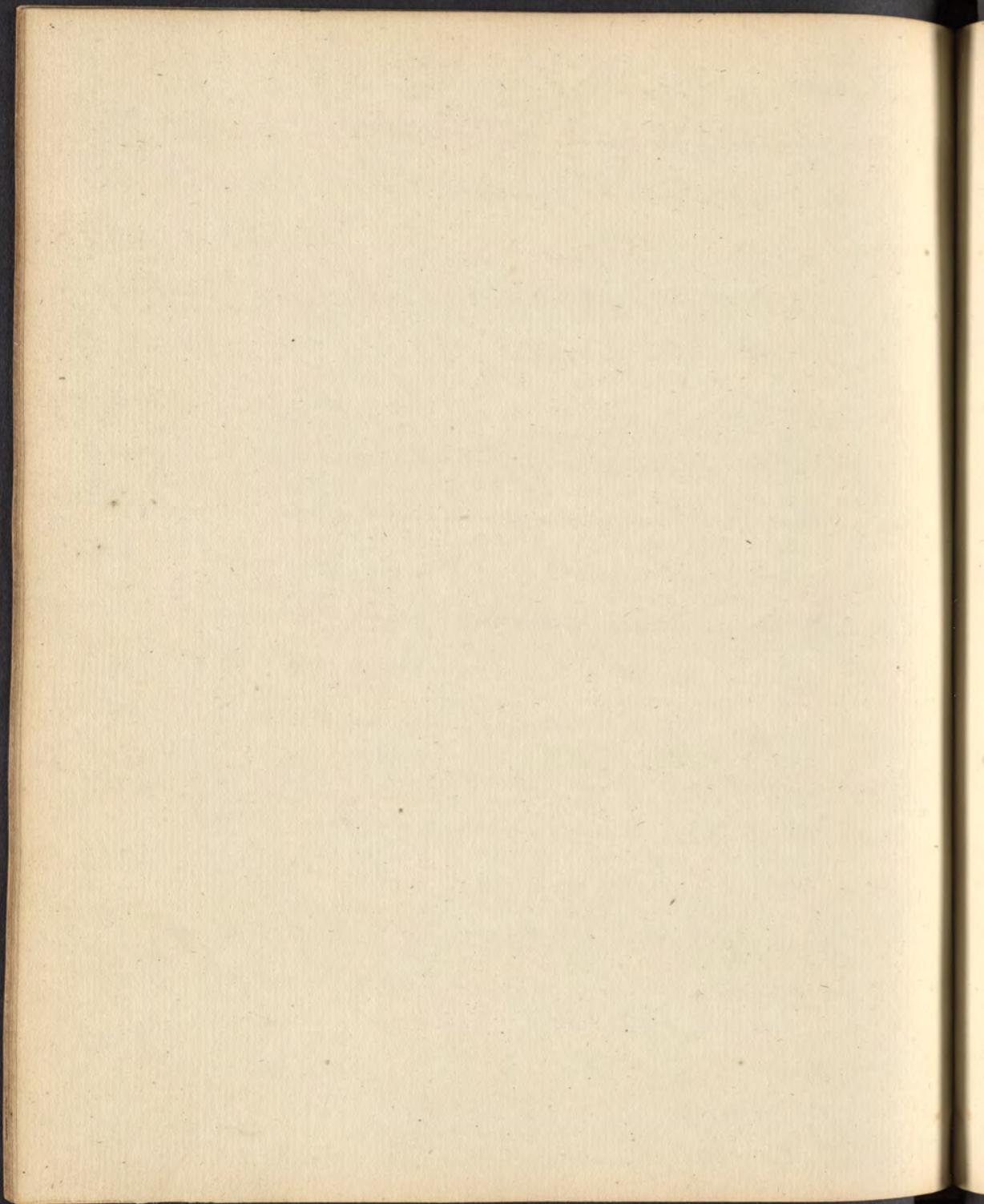


appear at much more lengthy periods. It may be
 cured in its simple state by dilution with mild
 liquors and external lotions. Mercurial ointment
 made without turpentine, the yolk of an egg and
 the solution of Gum Arabic makes an excellent inj-
 ection. 1 Chancres may be removed by rust precip-
 itate. Savin &c. 2 Swelled Testicles may be relieved
 by suspension, Emetics, mercurial ointment &c.
 3 Bubos, cured by mercurial ointment. The
 eye poultice, should be used, if tending to suppura-
 tion. They should never be opened. 5 Phy mons
 prevented by keeping the parts clean, cured by
 emollient poultices and incision. 5 Paraphymosis
 to be cured by cold water, the tapis, sugar of lead. &c.
 6 Chordee cured by Opium and sleeping in tight
 Bruches. 7 Glands cured by balsam of copaiva, Steel
 A good injection is thus prepared Rx. Sacr. Saturn 8ij
 Merc. corros. subl. 8ij; Spt. Sal. ammon 9ij. Ag. Fust. 3iv
 & mist. et injec sapo in aii. A simple Gonorrhœa
 may be cured by matrimony. 8 Strictures, cured by
 Bouguis; by Canthar &c. The pitch of lead improper for injections
Lancs

Scabs is to be cured by mercury internally and externally. The patient should bathe in warm water before using the mercurial fumigation. The best form to exhibit mercury in, is to dilute the quicksilver with Gum Arabic and mix it with soap. Warts are to be cut off when formed. Patients should not be salivated to a high degree. The unguentum citrum is the best ointment when eruptions take place on the skin. Always accommodate your remedies to the state of the system. Opium can only be proper when the system is relaxed and stimuli are removed. The nitric acid has lately been used to cure this disease. Hypochondriasis and Rheumatism are often mistaken for it. It is then called the madelle Pox; you must unconvive your Patients and give them no medicine. — Lues disposes much to Rheumatism. Leprous spots have been suspected to be venereal when they follow the disease.

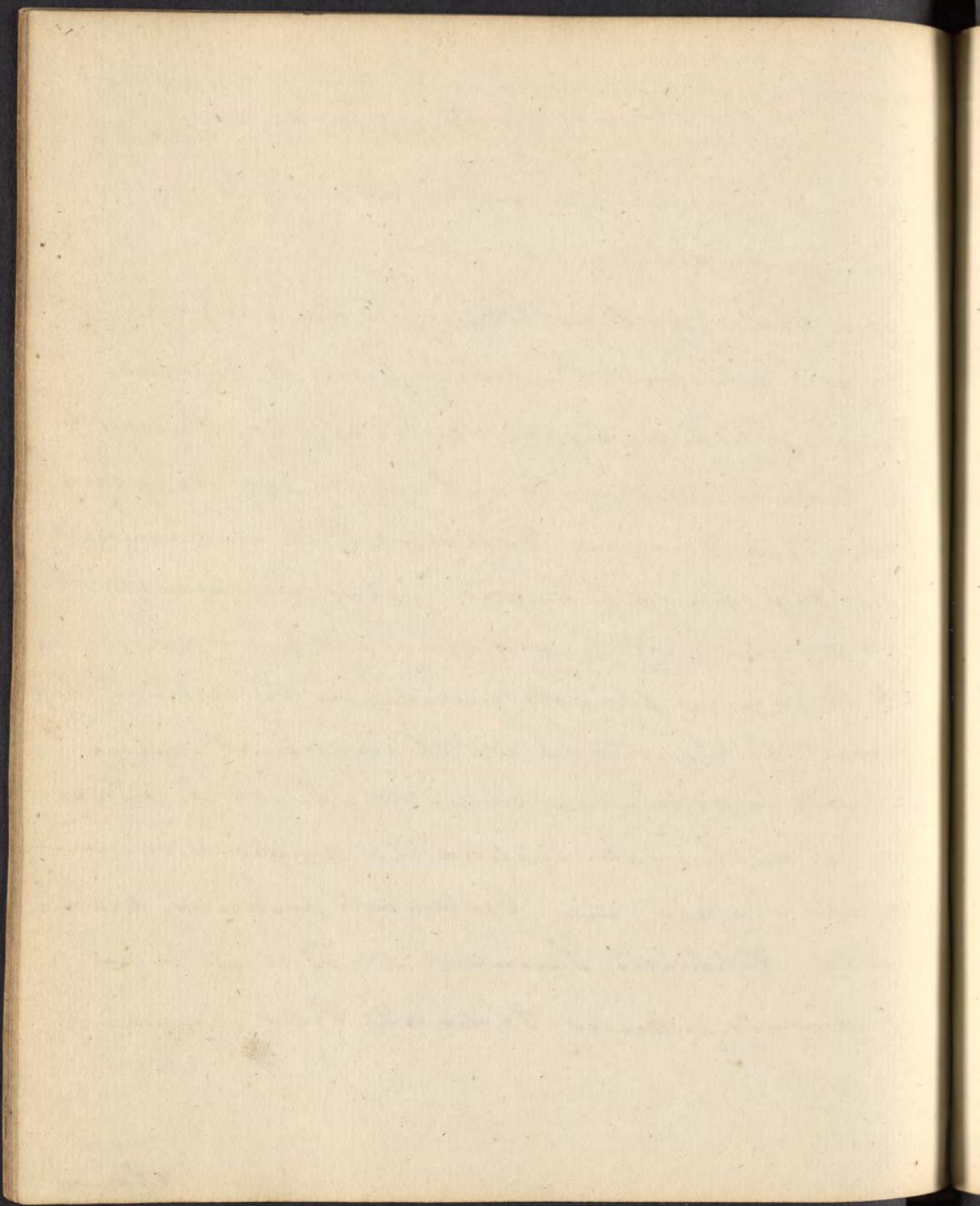
17 Costiveness. When local it arises from particular diet as cheese &c. from certain drinks as port wine &c.

from



from a change or from new diet. from a sedentary life, negligence in going to stool, from riding and sailing, from certain matters obstructing the lower bowels, hardened feces &c. —

Remedies are 1. Rising early. 2. Regularity in going to stool at a certain hour. 3. Laxative diet as Indian bread, roasted apples, Prunes &c. 4. Laxative medicines as Cremon. Tartar, Rhubarb chivied, Alois and Butternut Pill are recommended, but they should be avoided in chronic constiveness. The Alois when used long is apt to act as a narcotic. — 5. If it arise from obstructions in the uterus, they must be removed. 6. All the occasional causes should be avoided. A close stool should be made use of in the winter instead of a newspaper, on account of the cold air. — Constiveness produces, Headache, Nephritis, Jaundice &c. But it more frequently induces Cholli and Piles. —



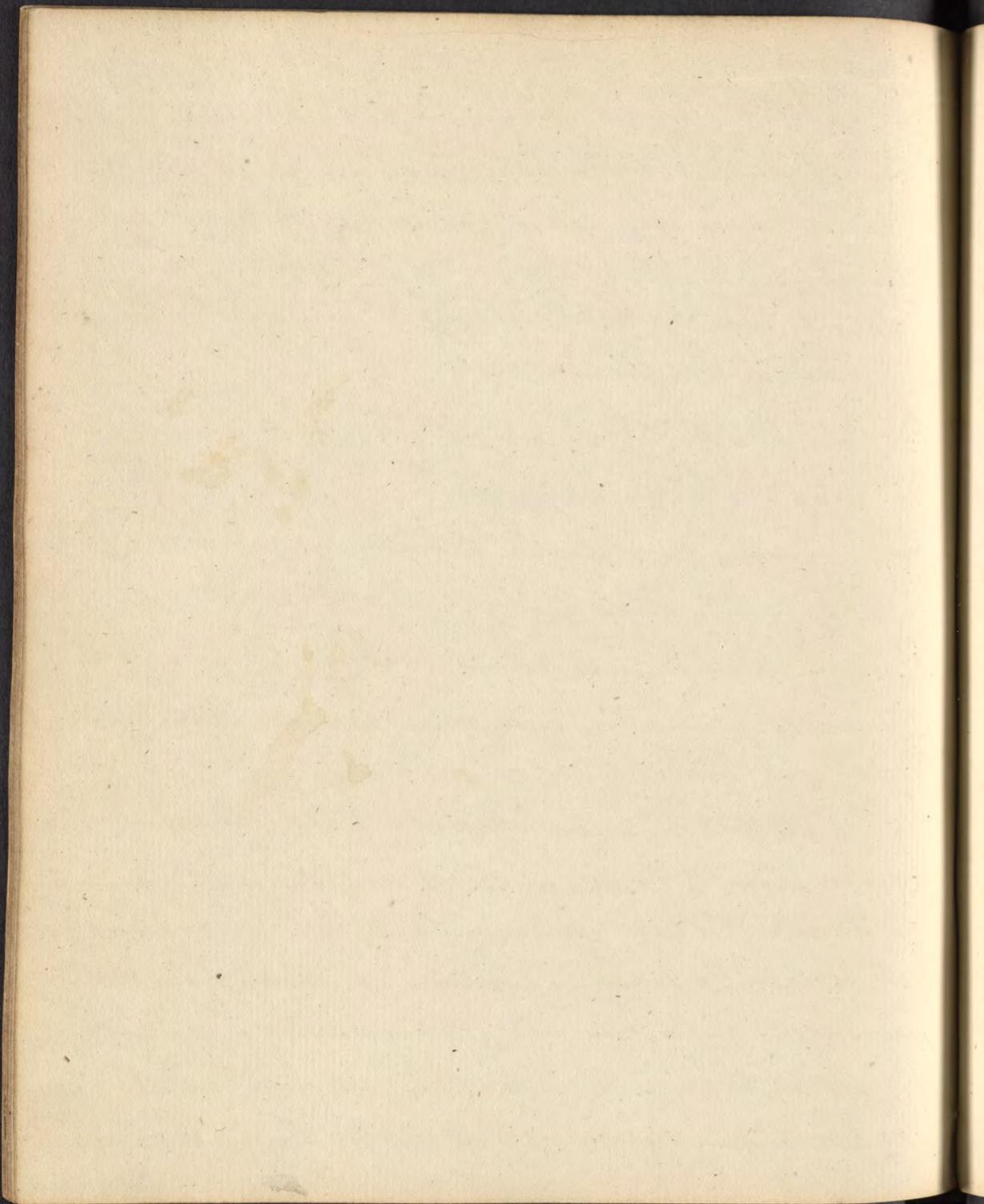
18 CANCER, is a tumor derived from Scirrus, Causes an whatever induces Scirrus. Effusions will produce it, also obstructions exciting the womb from the effusions. It is either with or without ulcer. — It is known by Heat, itching &c. Tis most frequently found in Glandular parts. —

On the Penis, ulcers are apt to terminate in Cancer. Internal cancers are invariable. They generally affect people beyond 45 years of age. — The humours of old people have a peculiar acrimony hence acid urine, saliva, Tears &c. Cancers are more frequent in cold than warm climates. They are either local or general. —

CURE, and 1 Internal Remedies as,

1. Lovage, 2. Belladonna, 3. Cicuta. 4. Hyoscyamus
5. Bark. 6. Steel. 7. Mercury. 8. Arsenic. 9. Bloodletting
Just before a scirrus ulcerates the pulse shows marks
of inflammatory action. hence bloodletting I can conceive
may be proper. In this as in all diseases the pulse
must be our guide. 10. Salivation has cured cancer.

11. Internal



172

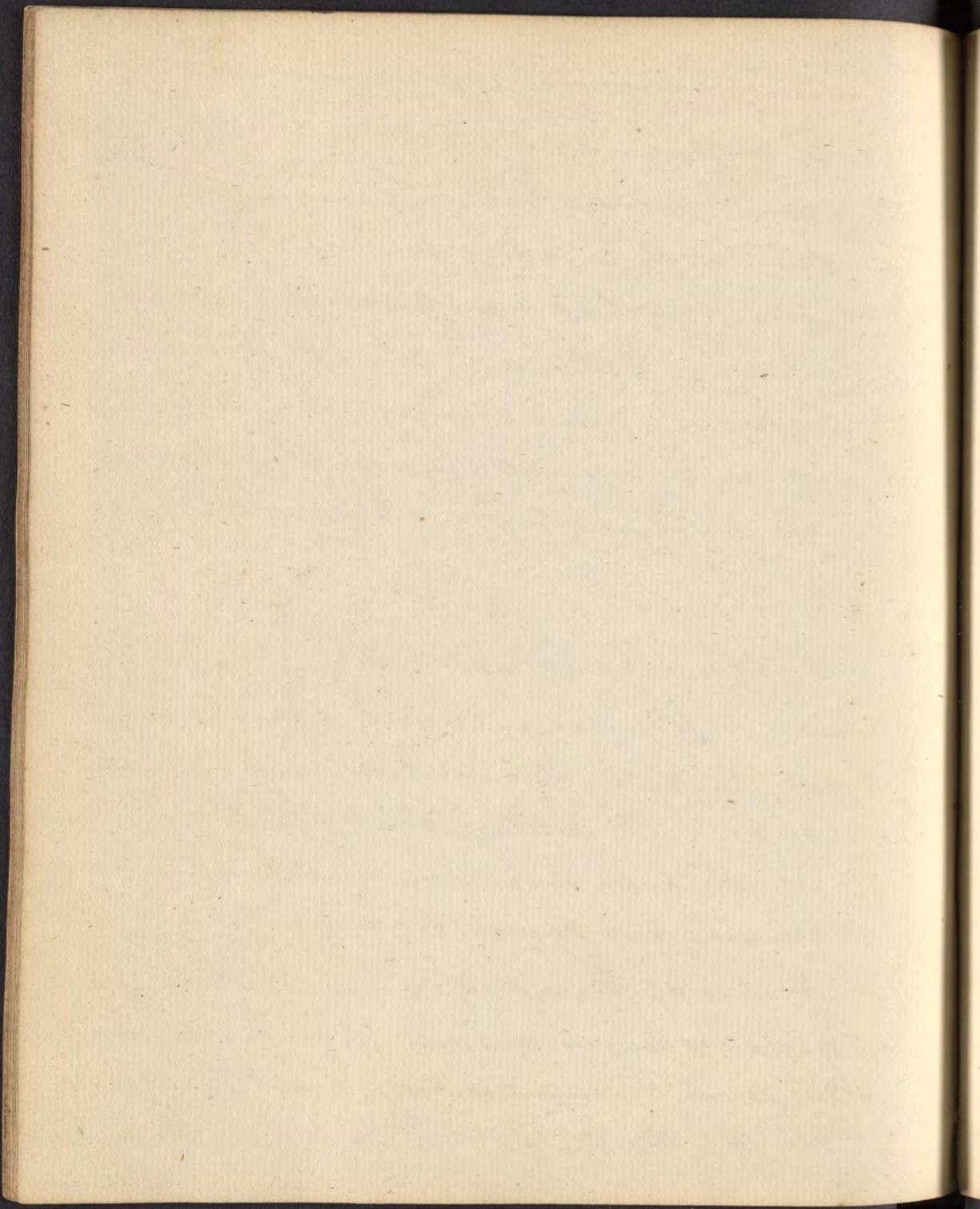
II External Remedies, &c.

1. Excision. Cancers used to be called *Noli me tangere*, they should be called *Excide me*, always advise the extirpation of the smallest tumors, never dismiss such patients without strongly advising extirpation.

2. Caustics, as the Poke root, Sumach, Indian turnip, Lunar caustic, Caustic Alkali, Arsenic &c. They are only proper in small tumors. The Habit, diet, and exercise should be attended to. —

19 Cutaneous Eruptions, arise from a morbid affection of the cutaneous vessels, from Scurvy, Lues, Cure, In the use of external remedies we should study habit, Bloodletting should often be required. — If the pulse be inactive, Tonics as wine, Bark and animal diet should be advised. —

External Remedies are numerous, as 1. Tar aintment. 2. Unguent. Citrim. 3. Unguent. precip. Alba. 4. An aintment of Nitre, Sulphur and Lead. — For Herpes the best remedies, are 1. Sal. m. corros.



2, Sprinkling with Calomel. 3 cold water and warm bath. —

In *Linea Capitis* the hair must be shaved off
less often in cure this disease than any thing else. —

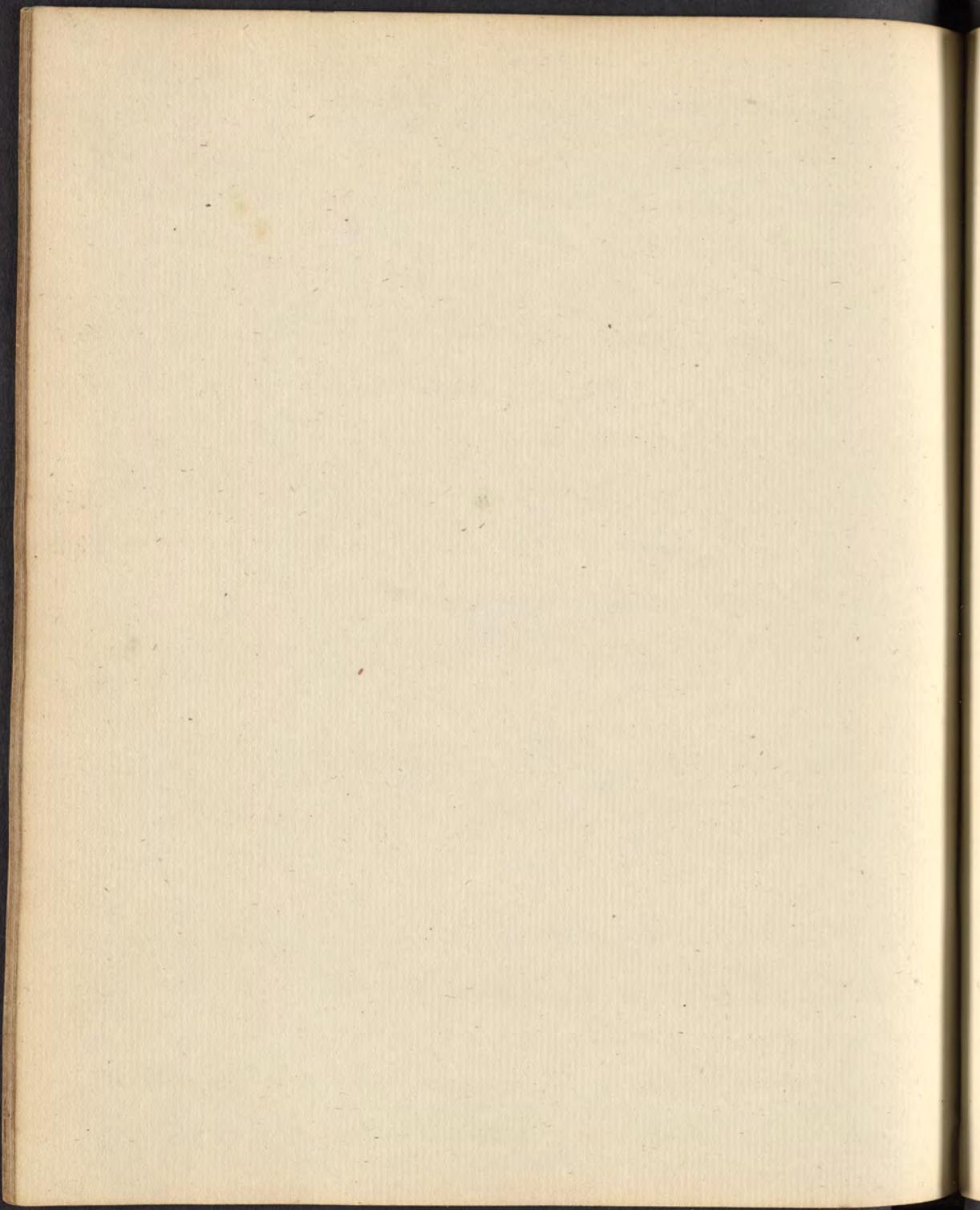
Ring worm, is evidently an animal, Cure
1, Ink. 2 Gun Powder. 3 Nitrous acid diluted so
as not to excoriate will never fail: —

Itch. Cure, 1 Sulphur. 2, Mercurial ointment.
3 Sulphur shirt worn a week. —

Morbus Pediculosis, Cure 1, Mercurial
ointment. 2, Larkspur. 3 Cleanliness. —

20 *Deafness*, It arises sometimes from inflammation
also from wax, excrements substances &c.

Cure, When inflammation exists we must use
cupping; When from wax we must provide 1, by
extracting it by instruments and injections. —



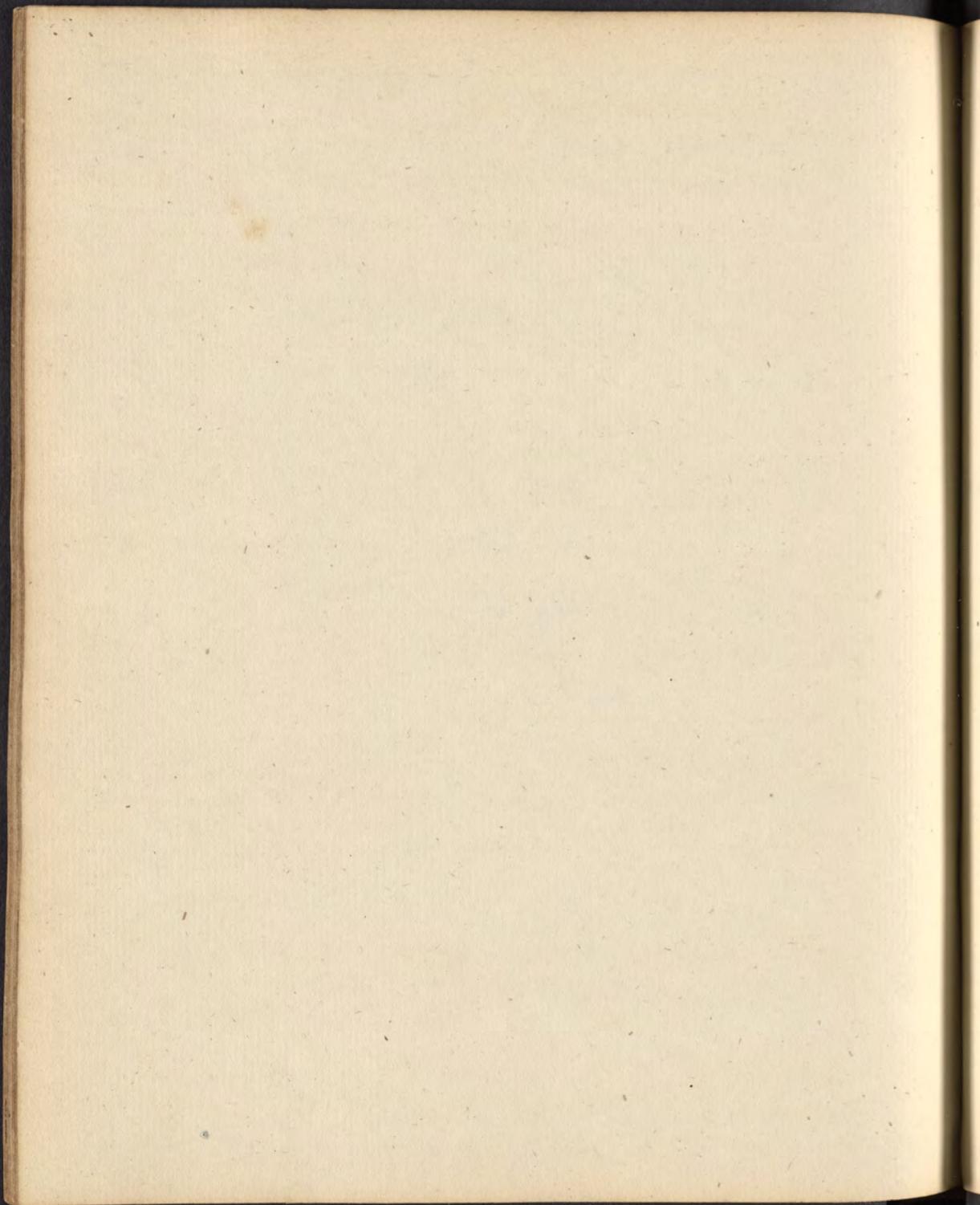
Nineteen out of twenty cases I believe occurs from way. — When it is owing to insensibility of the membrane a little salt is serviceable, to be let stay in all night. When from relaxation of the membranes of the tympanum a tea of tanners bark is very serviceable. — Cantharides finely powdered has been blown into the ear with advantage. Extraneous substances as insects must be extracted or destroyed. —

21. Ulcers, I beg leave on this subject to refer you to my 3^d Volume of Med. Inv. 300ms. —

22, CORNS, are the cause of much pain and invite to Gout. —

Cure, 1 Caustic. 2, Blisters. 3, Arsenic. — 4 Caustic. Alkali. Large easy shoes should be recommended. When caustic is objected to, corns may be rendered tolerable by Plaster of diaichylon.

23, Diseases of old People, vide vol. 2. Med. Inv.



24. Diseases of Women.

1, Leucorrhœa. This is mostly a topical disease in young women. In old women it is the effect of general debility. It is generally attended with pain in the back. —

CURE, Always examine the state of the system — If there exists much action in the system it must be reduced. If on the contrary there be real debility as is most generally the case, Give 1, Steel. 2 Bark, 3, Turpentine. 4 Balsam Copaiva. 5 Injections &c. When ulcers are formed mercurial injections should be used. Wine, Generous diet, Exercise and Salivation should be had recourse to. The latter is a revolutionary remedy and should always be used when others fail. — It excites a new action. The cold bath should also be tried. —

2, Diseases during Pregnancy are

1, Breathing sickness, 2, Toothache. 3, Constipation. 4, Incontinence of urine. 5, Ichuria. 6, Swelled legs. 7, Giddiness of the head. 8 Numbness of the limbs. —

9. Cramp, 10, Dyspepsia. 12, Discharge of blood from the Vagina. 13, Convulsions. — In all these cases the state of the system as manifested by the Pulse must direct us. Bloodletting is generally called for. The bowels in every case must be kept open by gentle laxatives.

Bandages should be worn round the abdomen for six or eight weeks after delivery for the important purpose of preventing large and flabby bellies.

Postpartal Fever, is often a Typhoid, but is also frequently a Sirocha or Synocula. It comes on at different periods from one day to six weeks. It is accompanied with Headache, Torpor, Coldness, Pulse first weak and small then full, Pains in the side, region of the Liver, Spleen, Bladder &c. Face is sharp and sorrowfull, Delirium, Convulsions, quick breathing, weak cough, Nausea, vomiting, Diarrhoea or consterness. The Sirocha sometimes stops or flows deliberately and is always offensive ~~or~~ Miliary eruptions, swelled abdomen &c. The duration of the disease is from one to fifteen Days. The pain sometimes ceases before death.

Abscusses sometimes take place. — It has been said to arise from inflammation of the womb, from translation of the milk but is not so. — I think it is owing to different stimulating matters, from hot regimen and impure air. The disease is inflammatory, Typhoid and Typhus. — When inflammatory the cure is 1, Bloodletting. 2 Comfits have been recommended by Doct^r , when there is a nausea present, they are serviceable, he recommends Specumarska. 3 Gentle laxatives if constive. 4, Demulcents and Astringents if Diarrhoea attends. 5, Opium according to the state of the system. — 6, Bark. 7, Blisters, after reducing the system. 8 Frictions to the abdomen. 9, Fresh air. The sooner the fever comes on the worse. Weak pulse is a bad symptom so also is constiveness. Petechiae are always alarming. Discharges of lochia are favourable. This fever may be prevented by fresh air, rest, silence, moderate diet.

4, Swelled Legs, after parturition sometimes terminate in mortification. Cure. 1, Bloodletting. 2,

178

Purges. 3, Fomentations. 4, Frictions. 5 Volatile Linum
etc &c

5 Swelled Breasts are to be cured by 1,
Bloodletting. 2, Purging. 3 Repelling applications
as solution of Sal. Ammoniac. Vingat and water,
Lip poultice &c 4, Opening when it impostumes.

6 sore nipples, may be prevented by draw-
ing out the nipple from the breast about a month
before delivery especially before going to bed. —

25 Diseases of Children, Underwood is
the best writer on Children's diseases. No library is
complete without it. These diseases are easily
cured as they are simple acutal diseases

Bloodletting is of immense consequence
in all these diseases. — In Cholera Infantum
I have frequently bled with the happiest effects. —

